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SEPTEMBER 1987

ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1957

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INVESTIGATIONS SURVEY CRUISES IN 1957**

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CONTENTS

| | Page |
|----------------------------------|------|
| List of Figures | iii |
| List of Tables | iv |
| Abstract | 1 |
| Introduction | 1 |
| Sampling Area and Pattern | 2 |
| Sampling Gear and Methods | 3 |
| Laboratory Procedures | 4 |
| Identification | 5 |
| Computer Entry and Editing | 10 |
| Species Summary | 11 |
| Explanation of Tables | 12 |
| Acknowledgments | 13 |
| Literature Cited | 14 |
| Figures | 17 |
| Tables | 31 |
| Index | 221 |

LIST OF FIGURES

| | Page |
|---|------|
| Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1957 | 17 |
| Figure 2. Station pattern for CalCOFI Cruise 5701 showing tracks for each vessel | 18 |
| Figure 3. Station pattern for CalCOFI Cruise 5702 | 19 |
| Figure 4. Station pattern for CalCOFI Cruise 5703 | 20 |
| Figure 5. Station pattern for CalCOFI Cruise 5704 | 21 |
| Figure 6. Station pattern for CalCOFI Cruise 5705 | 22 |
| Figure 7. Station pattern for CalCOFI Cruise 5706 | 23 |
| Figure 8. Station pattern for CalCOFI Cruise 5707 | 24 |
| Figure 9. Station pattern for CalCOFI Cruise 5708 | 25 |
| Figure 10. Station pattern for CalCOFI Cruise 5709 | 26 |
| Figure 11. Station pattern for CalCOFI Cruise 5710 | 27 |
| Figure 12. Station pattern for CalCOFI Cruise 5711 | 28 |
| Figure 13. Station pattern for CalCOFI Cruise 5712 | 29 |
| Figure 14. The basic station plan for CalCOFI cruises from 1950 to the present | 30 |

LIST OF TABLES

| | Page |
|---|------|
| Table 1. Station and plankton tow data for CalCOFI cruises in 1957 | 31 |
| Table 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1957 | 69 |
| Table 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1957 | 73 |
| Table 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1957 | 77 |
| Table 5. Summary of pooled occurrences of fish larvae taken on CalCOFI cruises from 1951-1960 | 216 |
| Table 6. List of stations with multiple occupancies in one month during 1957 | 220 |

ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1957. It is the seventh report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1483 stations was occupied during 12 monthly multivessel cruises over the quarter-million square mile survey area which extends from the California-Oregon border to Cape San Lucas, Mexico and seaward to several hundred miles. The data are listed in a series of 6 tables; the background, methodology, and information necessary for interpretation and quantitative analysis of the data are presented in an accompanying text. All pertinent station and tow data, including volumes of water strained and standard haul factors are listed in the first table. Another key table lists, by station and month, standardized counts of each of the 149 larval fish categories identified from survey samples. This and previous and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the newly developed computer data base.

INTRODUCTION

This report, the seventh of a series, provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) joint biological-oceanographic survey cruises conducted in 1957. This program was initiated in 1949, under the sponsorship of the Marine Research Committee of the State of California, to study the population fluctuations of the Pacific sardine (*Sardinops sagax*) and the environmental factors that may play a role in such fluctuations. CalCOFI, known as the California Cooperative Sardine Research Program from 1949 to 1953, was made up of representatives of the South Pacific Fisheries Investigations (SPFI) of the U.S. Fish and Wildlife Service [now the La Jolla Laboratory, National Marine Fisheries Service (NMFS)], the Scripps Institution of Oceanography (SIO), the California Department of Fish and Game (CDFG), the California Academy of Sciences (CAS) and the Hopkins Marine Station of Stanford University. The first three of these agencies supplied ships and personnel to conduct the sea surveys. NMFS processed the plankton samples and analyzed the ichthyoplankton from them. SIO processed and analyzed the hydrographic samples and measurements and also analyzed invertebrate groups from the plankton samples.

The boundaries, station placement, and sampling frequency for the CalCOFI survey area were based on the results of joint biological and oceanographic cruises conducted by NMFS and SIO during 1939-41. Those cruises were designed to collect sardine eggs and larvae and associated hydrographic data over the entire areal and seasonal spawning range of the species. On these survey cruises, plankton tows were made to 70 m, a depth which

encompassed the vertical distribution of sardine eggs and larvae. Wide-ranging joint biological and oceanographic survey cruises were resumed in 1949 with sardine as the focus; however, an increasing interest in other biological components resulted in the deepening of standard tows to 140 m in 1951. This marked the beginning of truly quantitative ichthyoplankton sampling on CalCOFI surveys.

Data resulting from CalCOFI surveys in 1957 have been published in a number of forms. Hydrographic data (Reid et al., 1965), zooplankton volumes (Thrailkill, 1959; Smith, 1971) and ichthyoplankton data for selected species (Ahlstrom, 1959) were presented in standard formats. The latter lists counts for eggs and larvae of sardine and for larvae of northern anchovy (*Engraulis mordax*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), Pacific hake (*Merluccius productus*), and rockfishes (*Sebastes* spp.). Also, length frequencies are listed for sardine, anchovy, jack mackerel and Pacific mackerel larvae. Distribution maps of larvae of 5 of these taxa taken on CalCOFI surveys during 1957 are presented in the CalCOFI Atlas series (Kramer and Ahlstrom, 1968; Ahlstrom, 1969; Kramer, 1970; Ahlstrom et al., 1978). Other atlases provided distribution maps of 6 mesopelagic fish larvae (Ahlstrom, 1972) and 8 flatfish taxa (Ahlstrom and Moser, 1975) taken during 1957.

A computer data base for eggs and larvae of sardine and anchovy and for larvae of hake, and the two mackerels was established in 1969. The development of a data base for other fish larvae is a complex undertaking because competency of identification has evolved steadily over the past 38 years. We began the task of producing a CalCOFI ichthyoplankton data base and associated data report series in 1983. All available original records for 1957 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987a, b; Sandknop et al., 1987; Stevens et al., 1987a, b; Sumida et al., 1987) and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the computer data base. The data base will be modified when additional errors are discovered and when composite taxa from the earlier years are reidentified. These reports are the fundamental reference documents against which subsequent changes in the data base can be compared.

SAMPLING AREA AND PATTERN

In 1957, CalCOFI survey cruises were conducted at monthly intervals. A total of 1483 stations included in this data base was occupied on 12 cruises, with an average of 124 stations per cruise (range of 23-253). Coverage of the survey station pattern varied among cruises (Figures 1-13, Table 1) with the most extensive occurring in June (lines 60-157). The area off northern California (lines 40-57) was not surveyed in 1957, and

coverage off central California (lines 60-77) was limited to cruises in May, June, July, and November. The area between Pt. Conception, California and Cape San Lucas, Baja California (lines 80-157) was surveyed during three cruises: February, April, and June, with the cruise in March ending at line 150. Cruises in January, August, and September were limited to waters off Baja California, while cruises in November and December were primarily confined to waters off southern California. Coverage extended seaward to station 90 (approximately 160-250 miles offshore)¹ on most cruises except during August, September, November, and December when mostly nearshore stations were surveyed.

Six vessels were employed on these cruises: the *Black Douglas* of NMFS, the *Horizon*, *Orca*, *Paolina T*, *Spencer F. Baird*, and *Stranger* of SIO. One to four vessels participated on each cruise, with cruises in May, June, and July employing the maximum of four ships. The *Black Douglas* participated in 7 cruises and the *Orca* and *Stranger* in 6 cruises; the other 3 ships participated in a total of 8 cruises (Ahlstrom, 1959).

SAMPLING GEAR AND METHODS

The standard CalCOFI net used from 1949 to 1969 had a 1-m diameter mouth opening (0.785 m² area) and an overall length of about 5 m. The net was constructed of 30xxx gauze, a heavy duty grade of silk bolting cloth, with a mesh size of 0.55 mm after shrinkage. The last 40 cm of the cone and the cod end were constructed of 56xxx grit gauze which had a mesh size of 0.25 mm after shrinkage. On parts of 10 cruises during 1957 (5701-5707; 5709-5711) the standard net was replaced with one constructed of nylon. Construction of the nets was similar; however, the nylon nets had mesh sizes of 0.471 mm for the net body and 0.280 mm for the end of the cone and the cod end (Smith, 1971). The net ring was fastened to a short 3-lead bridle connected to several meters of line which attached to the towing cable by a clamp. A current meter was suspended in the center of the net mouth to measure volume of water filtered (see Kramer et al., 1972, for further details).

¹CalCOFI lines (Figure 14) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

The standard tow from 1951 through 1968 was an oblique haul to 140 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. $3\text{m}^3/\text{m}$ of depth) over the vertical range of most ichthyoplankters. Hauls were made at a ship speed of 1.5-2.0 knots and initiated by clamping the net line to the towing cable with the 45 kg terminal weight about 10-15 m below the surface. The net was lowered to 140 m depth by paying out 200 m of wire over a 4 minute period (35 m of depth/min.). After fishing at depth for 30 seconds, the net was retrieved at 20 m/min. (14 m depth/min.). The angle of stray of the towing cable was recorded every 30 seconds and maintained at 45° ($\pm 3^\circ$) by adjusting the ship speed and course. After reaching the surface, the net was washed down and the samples preserved in 5% formalin buffered with sodium borate. Flowmeter readings were made at the beginning and end of each tow. Detailed descriptions of gear and methods are given by Ahlstrom (1953), Kramer et al. (1972), and Smith and Richardson (1977).

LABORATORY PROCEDURES

Laboratory processing began with the determination of a displacement volume for each sample (methods described in Staff, SPFI, 1953 and Kramer et al., 1972). Zooplankton volumes (including ichthyoplankton) of samples collected in 1957 are listed in Thrailkill (1959) and presented graphically in Smith (1971).

Sorting involved the removal of ichthyoplankton from the sample and identification and separation of eggs and larvae of selected species (see introduction). Usually, each sample was sorted completely; however, some of the samples were fractionated into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Several criteria² were used to determine whether a sample was fractionated: samples containing an abundance of thaliacians and coelenterates and exceeding 150 ml in total plankton volume were fractionated (to 50%, 25%, 12.5%, or 6.25%) to approximate a reduced volume of 50 ml for sorting; samples with an excessive quantity of fish eggs and/or larvae were occasionally fractionated to expedite the sorting process in order to meet scheduled deadlines. If the identified fraction of an aliquot yielded rare or interesting species of fish larvae, the remaining fraction was frequently sorted and identified with the intent of finding additional specimens. Aliquot percentages for fractionated samples from 1957 are listed in Table 1 under the "Percent Sorted" column.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the

²Personal communication, James R. Thrailkill, National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, CA.

number in 10 m^3 of water strained per meter of depth fished. If the vertical distribution of the species has been encompassed, then the adjusted value is equivalent to the number under 10 m^2 of sea surface. The SHF is calculated for each haul by the formula:

$$\text{SHF} = \frac{10 \text{ D}}{V}$$

where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m)

V = total volume of water (m^3) strained during the haul

$$V = R \cdot a \cdot p$$

where R = total number of revolutions of the current meter during the haul

a = area (m^2) of the mouth of the net

p = length of column of water (m) needed to produce one revolution of the current meter.

Tow depth, volume of water strained, and standard haul factor are listed in Table 1 for each tow taken during 1957. Detailed descriptions of factors involved in calculating these values are presented in Ahlstrom (1948), Kramer et al. (1972), and Smith and Richardson (1977).

IDENTIFICATION

Identification of ichthyoplankton species beyond those separated during the sorting process was carried out by a separate group of specialists. Ontogenetic stages of fishes are inherently difficult to identify and this is further complicated by the large number and diversity of species which contribute to the ichthyoplankton of the California Current region. Most identifications were accomplished by establishing ontogenetic series on the basis of morphology, meristics, and pigmentation and then identifying these series by relating them to known metamorphic, juvenile, or adult stages with overlapping features (Powles and Markle, 1984). A total of 147 taxa was identified for 1957, with 79 taken to species, 31 to genus, 31 to family, 2 to suborder, and 4 to order. Some of the developmental series recognized originally could not be assigned scientific names, particularly in the Bathylagidae, Myctophidae, and Pleuronectiformes. These were given descriptive names, which later were changed to scientific names as they became known. Several major taxa were recognized beginning in 1957; these

included larvae in the families Gerreidae, Haemulidae, and Nomeidae.

The task of producing a reliable and equitable ichthyoplankton data base required extensive procedures to verify, correct, and edit the original identifications. The primary data source was the original identification sheets (see Kramer et al., 1972, for examples); however, a critical resource used in all phases of this process was the CalCOFI ichthyoplankton collection in which the samples are archived. Throughout the course of CalCOFI ichthyoplankton studies, samples have been identified to the lowest taxon possible. In reviewing these identifications for the data base, our approach has been conservative and we have preserved those identifications and counts which we could confirm, while correcting as many of the errors as possible. During the coding of the identification sheets, the "descriptive types" were assigned scientific names and reexamined, if necessary. After computer entry, taxonomic errors and inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In many cases, identifications of a taxon were inconsistent among cruises in a year, because of varying competency of identifiers. These records were made equitable by lumping to the higher taxonomic category to avoid biases that could result in quantitative misinterpretations.

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1957 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

Anguilliformes - tentative and sporadic identifications to family or lower taxon lumped to order.

Sardinops sagax - all specimens south of line 120 checked for misidentification of *Opisthonema* spp.

Engraulidae - includes nearshore taxa (mostly *Anchoa* spp.) large enough to separate from *Engraulis mordax*. Some nearshore

samples of small *E. mordax* may contain other anchovy genera, but could not be differentiated.

Nansenia spp. - all specimens checked and identified as *N. candida* or *N. crassa*; all specimens of these species near their range boundaries checked.

Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked.

Paralepididae - tentative and sporadic identifications to genus lumped to family.

Aulopus spp. - specimen checked; originally identified in "Iniomi" group.

Scopelarchidae - tentative and sporadic identifications to genus lumped to family.

Lampanyctus spp. - tentative and sporadic identifications to species (mostly descriptive types) lumped to genus; identification of *L. regalis* and *L. ritteri* begun in 1954.

Lampanyctus regalis - underrepresented because of inability to differentiate small larvae (<5 mm) from those of other species of the genus; counts may include other species of the genus because of difficulty in identifying larvae of this large and complex genus.

Lampanyctus ritteri - comment for *L. regalis* applies to this species.

Diogenichthys atlanticus - all specimens at margins of range checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Electrona rissoi - recognition of this species was inconsistent and others may be included in *Protomyctophum crockeri* or Myctophidae. No original identifications were recorded in 1957.

Hygophum spp. - all specimens reidentified to species; residuals are small, poorly preserved specimens.

Myctophum aurolaternatum - all specimens checked; originally identified as "Astronesthidae".

Protomyctophum crockeri - some samples on northern lines may contain *P. thompsoni*, which was not identified at the time; specimens south of line 130 checked.

Symbolophorus californiensis - all specimens south of line 120 checked for confusion with *Hygophum* spp., stemming from descriptive names.

Bregmaceros spp. - all gadiform types (see Index), except *Merluccius productus* and Macrouridae, reexamined.

Ophidiiformes - this category did not exist originally and ophidiiform larvae were included in *Brosmophysis marginata*, "Otophidium", "Zoarcidae", and "blenny"; identifications of *B. marginata* proved to be mostly correct and "Zoarcidae" to be a yet unidentified ophidiiform species; all "Otophidium" and "blenny" were reexamined and the former included *Ophidion scrippsae*, *Chilara taylori* and other ophidiiform taxa (moved to order); "blenny" contained *O. scrippsae*, *C. taylori*, and other ophidiiform taxa in addition to true blennioids.

Antennariidae - specimen checked.

Ceratioidei - identifications of this group were inconsistent and additional specimens may be in the unidentified fish larva category.

Hemiramphidae - specimen checked.

Trachipteridae - tentative and sporadic identifications to genus were lumped to family.

Melamphaes spp. - all identifications ascribed to Melamphaidae were reexamined and assigned to genus (*Melamphaes*, *Poromitra*) or species (*Scopelogadus bispinosus*); larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain larvae of other melamphaid genera.

Cottidae - some samples may include specimens of *Scorpaenichthys marmoratus*, hexagrammids (e.g., *Oxylebius pictus*, *Zaniolepis* spp.), and some blennioids (e.g., *Hypsoblennius* spp.).

Oxylebius pictus - all specimens checked; all records were original identifications.

Zaniolepis spp. - all specimens checked; some specimens originally identified as *Oxylebius pictus*.

Sebastes spp. - in addition to other scorpaenid genera, category includes some *Prionotus* spp., serranids, scombrids, and other spiny-headed shorefishes, particularly in samples south of line 120.

Sebastolobus spp. - this category is underrepresented and additional specimens may be in *Sebastes* spp.

Blennioidei - this is the residual of the completely reexamined "blenny" category, which also contained various misidentified ophidiiforms, and is now restricted to members of northern stichaeioid families and true blennioids (other than *Hypsoblennius* spp.) in the southern part of the pattern).

Hypsoblennius spp. - some specimens remain in Cottidae.

Clinidae - some specimens remain in Cottidae or unidentified fish larva category.

Labridae - tentative and sporadic identifications to genus were lumped to family.

Pomacentridae - specimens checked; now includes species other than *Chromis punctipinnis*, primarily in the south.

Chromis punctipinnis - records south of about line 120 may include other pomacentrid taxa.

Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus* and *Seriola lalandi*) were lumped to family.

Seriola lalandi - all specimens checked.

Gerreidae - tentative and sporadic identifications to genus were lumped to family; this taxon not identified in earlier years.

Haemulidae - tentative and sporadic identifications to genus were lumped to family; this taxon not identified in earlier years.

Girella nigricans - all specimens examined.

Medialuna californiensis - all specimens examined.

Caulolatilus princeps - all specimens checked.

Sciaenidae - tentative and sporadic identification to genus lumped to family.

Serranidae - this family is underrepresented and some specimens may be in the unidentified fish larva category or may have been misidentified as *Sebastes* spp.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reasigned; underrepresentation or absence of these taxa may be

attributed to misidentification or they may be in the unidentified fish larva category.

Nomeidae - tentative identifications to genus lumped to family; not recorded in earlier years.

Pleuronectiformes - all available specimens of this category (originally called "flatfish") were examined and reidentified; residuals are small, poorly preserved specimens.

Bothidae - all specimens examined and reassigned; most were assigned to various paralichthyid genera or to *Bothus* spp.

Citharichthys spp. - all larvae identified to genus or to a species of the genus from 1954 through 1960 were checked and identified to species; residuals are small, poorly preserved specimens or those with variable taxonomic characters.

Etropus spp. - larvae of this taxon were originally lumped with *Citharichthys* spp.; present records result from complete reidentification of *Citharichthys* spp.

Hippoglossina spp. - all specimens of this genus (originally called "pigmented bothid") were examined and assigned to *H. stomata*.

Paralichthys spp. - all specimens of this genus were examined and most were assigned to *P. californicus* or *Xystreureys liolepis*.

Syacium ovale - all specimens examined (originally called "spiny-headed bothid").

Xystreureys liolepis - originally misidentified as *Paralichthys californicus*; all specimens reidentified.

Glyptocephalus zachirus - all specimens examined.

Hypsopsetta guttulata - specimens were originally identified as *Pleuronichthys* spp.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species; residuals are small, poorly preserved specimens.

COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of

California, San Diego Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and saury (*Cololabis saira*); numbers of larvae of sardine, anchovy, hake, jack mackerel, and Pacific mackerel; total number of fish eggs; and total number of fish larvae.

Discrepancies in ichthyoplankton data in these two files were corrected by inspecting original records from the sorting laboratory, the original ichthyoplankton identification sheets, and the samples themselves. Station and tow data discrepancies between the two files were corrected by reviewing ships' logs and deck tow sheets, original records from the sorting laboratory, cruise announcements, publications, header information on the ichthyoplankton identification sheets, and station plots generated for each cruise. Eventually all station and tow data were checked by comparing these sources.

The corrected ichthyoplankton data base was then examined statistically and outliers were found and checked as above. Distributional plots were then prepared for each taxon and these were checked by reviewing the data sources mentioned above and by examining archived specimens. A listing of each taxon by station (Table 4) was produced, which became the primary document for subsequent checks. Misidentifications found in geographic outlier checks and other misidentifications and data problems discovered in the course of examining archived samples resulted in several iterations of Table 4. Finally, totals in Table 4 were checked against annual summaries of incidence and abundance (Tables 2 and 3). Ecological analyses of the data (Moser et al., 1987) were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Larvae of northern anchovy (*Engraulis mordax*) represented 30% of all fish larvae taken on CalCOFI cruises during 1957 and numbered twice as many as Pacific hake (*Merluccius productus*), the next most abundant species (Tables 2, 3). Incidence of anchovy was high (2nd), but hake incidence was comparatively low (7th), indicating relatively large sample sizes. The next most abundant species, *Vinciguerrria lucetia*, a midwater gonostomatid, was widespread in samples from the southern part of the CalCOFI pattern; it ranked 3rd in abundance (11.6%) and also in occurrence. Rockfish larvae, *Sebastes* spp., a composite of about 70 species, ranked 4th in abundance (7.2%) and also in occurrence. The deepsea smelt, *Leuroglossus stilbius*, and jack mackerel, *Trachurus symmetricus*, were the next most abundant species, ranking 5th and 6th in abundance and 6th and 10th, respectively, in occurrence. Three midwater lanternfishes, *Stenobranchius leucopsarus*, *Triphoturus mexicanus*, and *Diogenichthys laternatus*,

ranked 7th, 8th, and 9th in abundance, with *Triphoturus mexicanus* ranking 1st in occurrence, reflecting its widespread distribution in the southern region of the CalCOFI pattern. The 10th ranked taxon was the sardine, *Sardinops sagax*, which ranked 19th in occurrence. These 10 top-ranking taxa contributed 85.1% of all larvae taken during 1957. The remaining 14.9% is represented by 137 taxa plus the unidentified and disintegrated categories. Of the 10 taxa, 5 were midwater species, 3 were coastal pelagic species, and 2 were coastal demersal species or generic groupings.

EXPLANATION OF TABLES

- Table 1 - This table lists by cruise the pertinent station and tow data for 1957, the volume of water filtered and standard haul factor for each tow, the percent of sample sorted, and the total numbers of fish eggs and larvae. CalCOFI cruises are designated by four digits; the first two indicate the year and the second two the month. Within each cruise the data are listed in order of increasing line and station number (southerly and seaward directions); the order of station occupancy is shown on the station charts (Figures 2-13). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Decimal fractions were not used in 1957. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: BD, *Black Douglas*; HO, *Horizon*, OR, *Orca*; PT, *Paolina T*; SB, *Spencer F. Baird*; ST, *Stranger*.
- Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1957 in ranked order.
- Table 3 - This table lists pooled counts of all larval fish taxa taken during 1957 in ranked order. Numbers are adjusted for percent sorted and standard haul factors.
- Table 4 - This table gives numbers of fish larvae for each taxon, listed by station and calendar month in which the tow was taken. Counts are adjusted for percent of sample sorted and standard haul factor. Average values are given for stations occupied more than once during a month. See Table 1 for station and tow data and Table 6 for listing of stations with multiple occupancies during a month. Multiple occupancies occurred when a station was occupied more than once during a calendar month; in some cases multiple occupancies resulted from

separate cruises. The orders are listed in "phylogenetic" sequence modified from Nelson (1984). Subtaxa within each order are listed alphabetically. Page numbers for each taxon are given in the index at the end of the report.

Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1957.

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Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1957.



Figure 2. Station pattern for CalCOFI Cruise 5701 showing tracks for each vessel. Stations with plankton tows only are indicated by a dot; those with plankton tows and hydrographic measurements are shown by a dot and circle. Modified from charts in Reid et al. (1965) to include only those stations listed in Table 1 of this report.

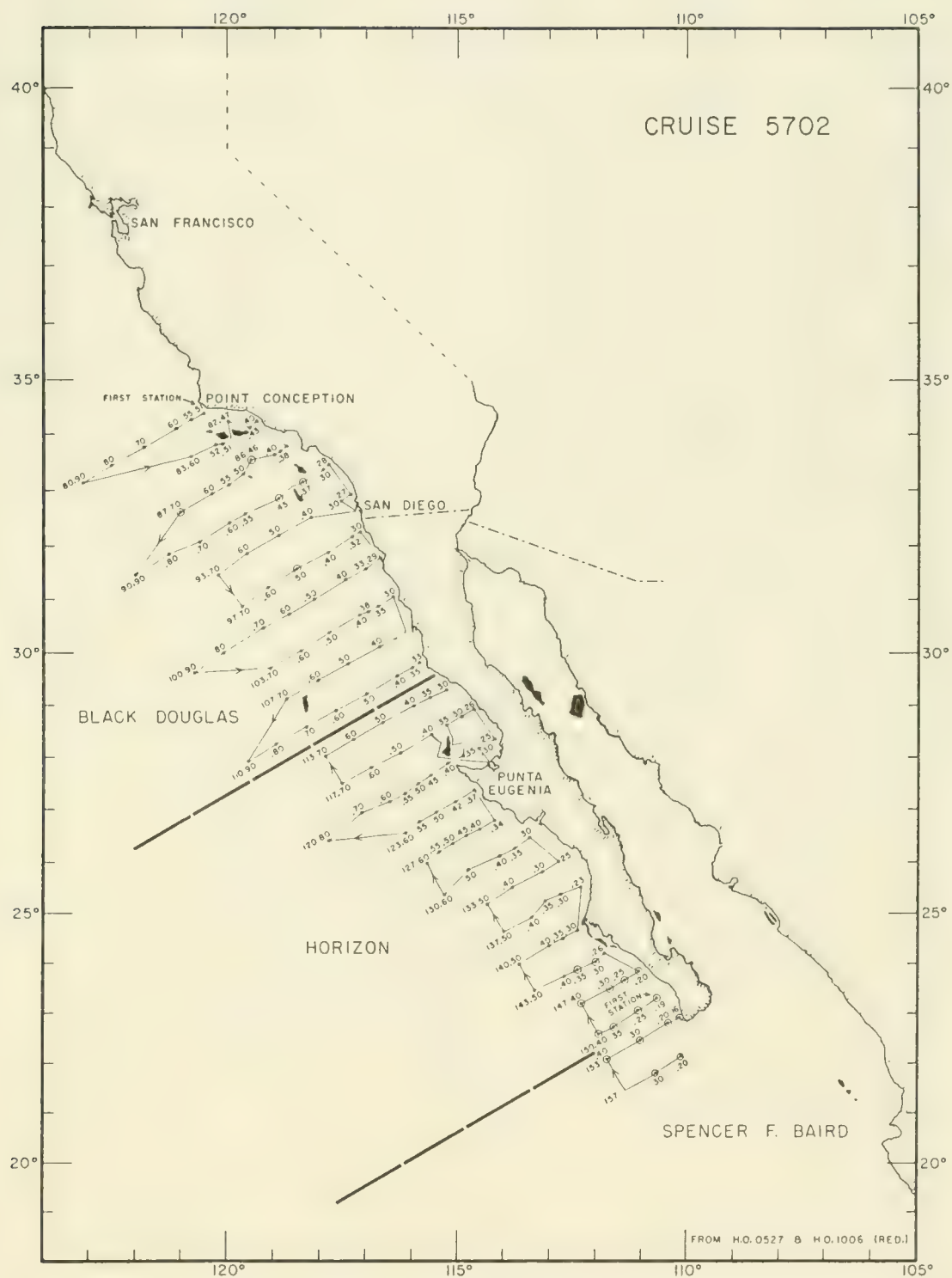


Figure 3. Station pattern for CalCOFI Cruise 5702. Symbols as in Figure 2.

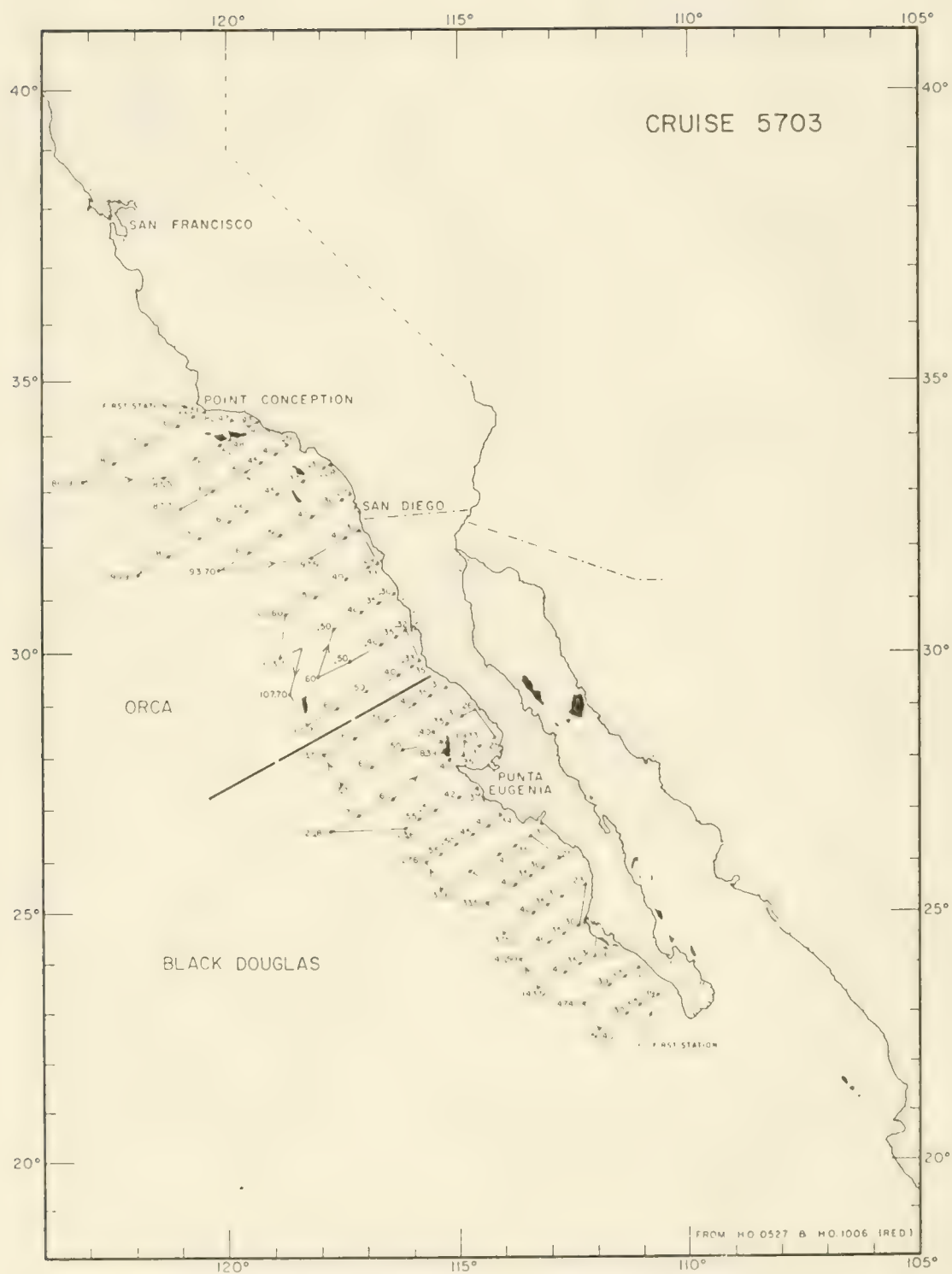


Figure 4. Station pattern for CalCOFI Cruise 5703. Symbols as in Figure 2.

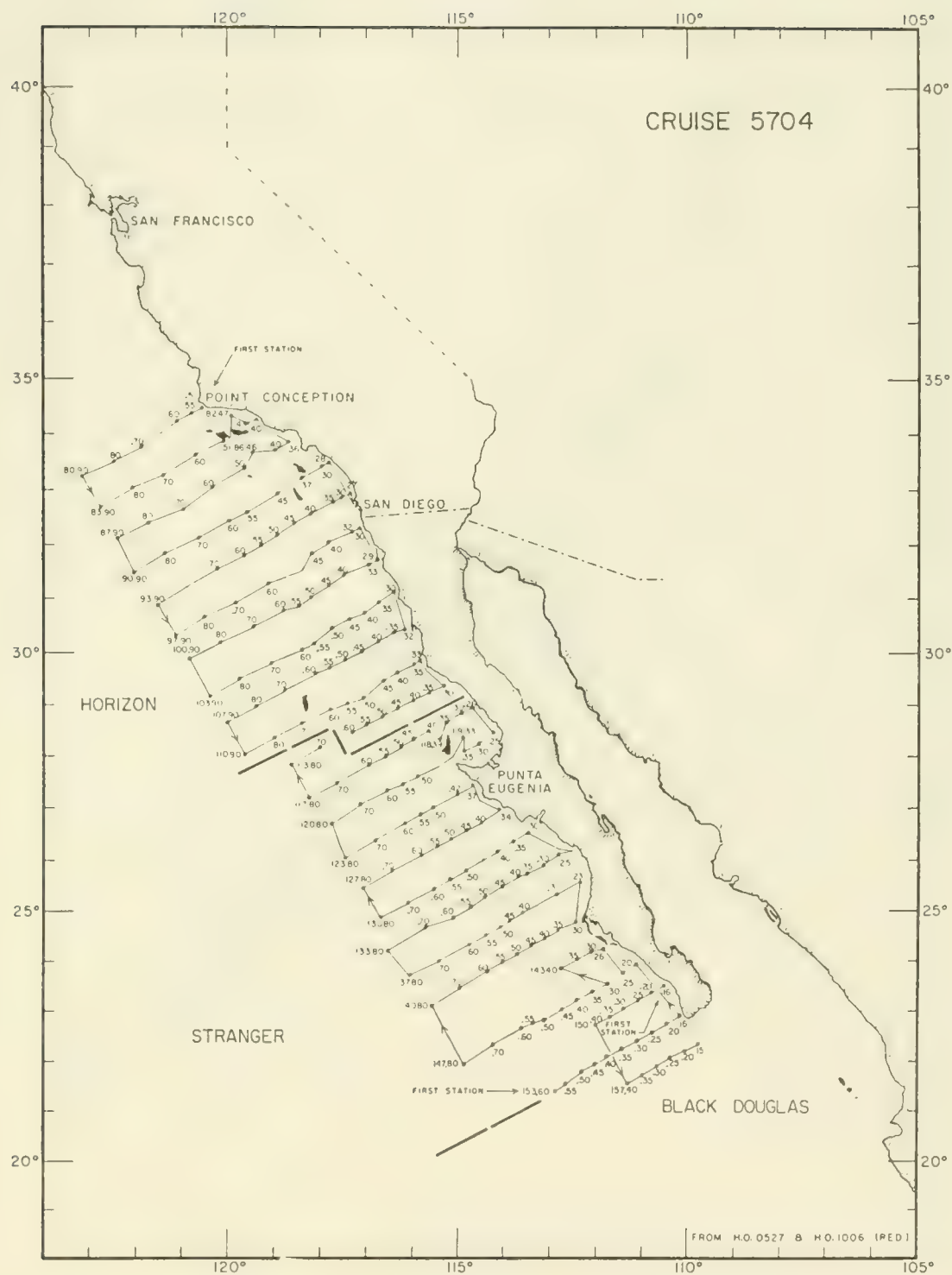


Figure 5. Station pattern for CalCOFI Cruise 5704. Symbols as in Figure 2.

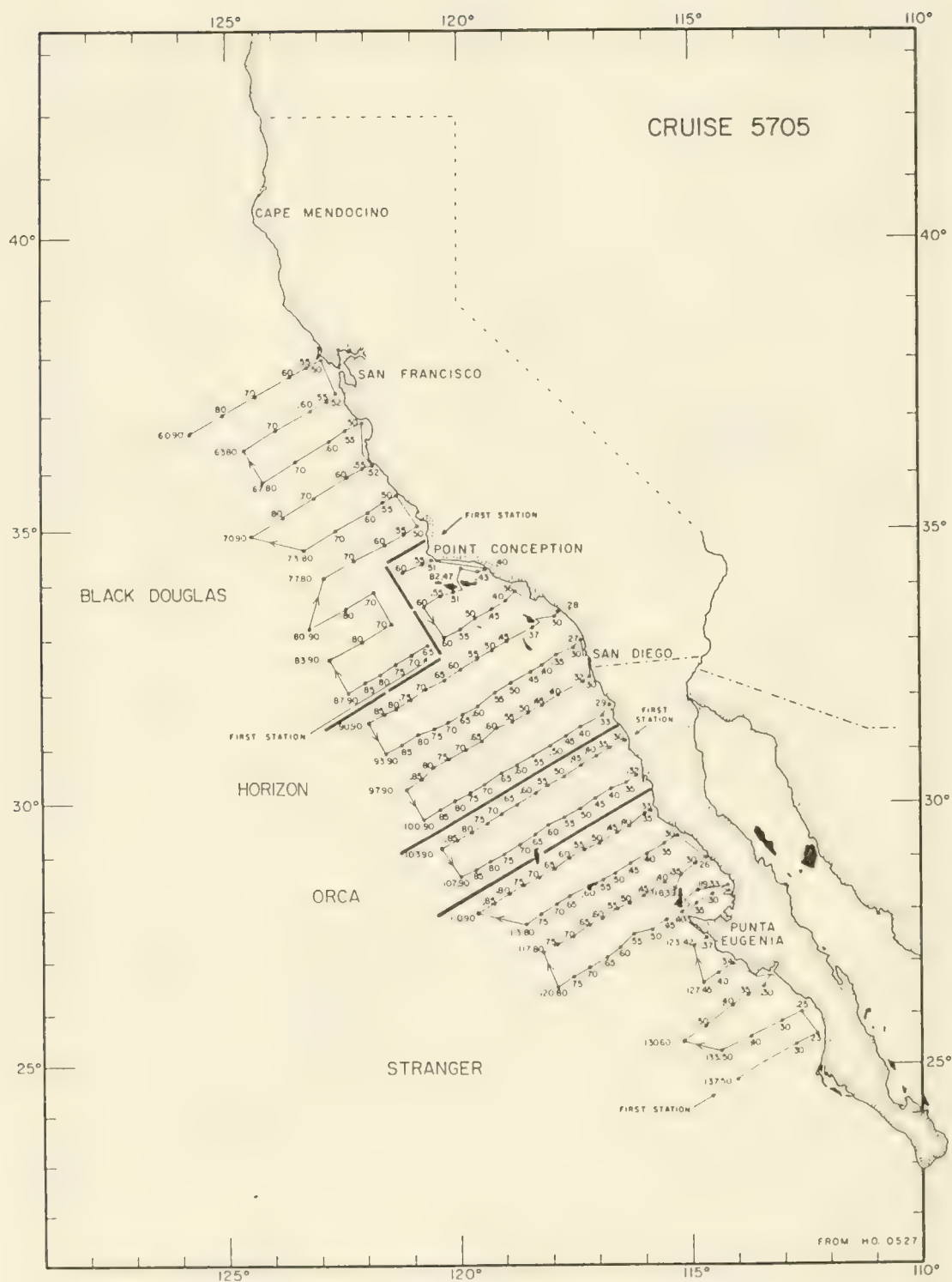


Figure 6. Station pattern for CalCOFI Cruise 5705. Symbols as in Figure 2.

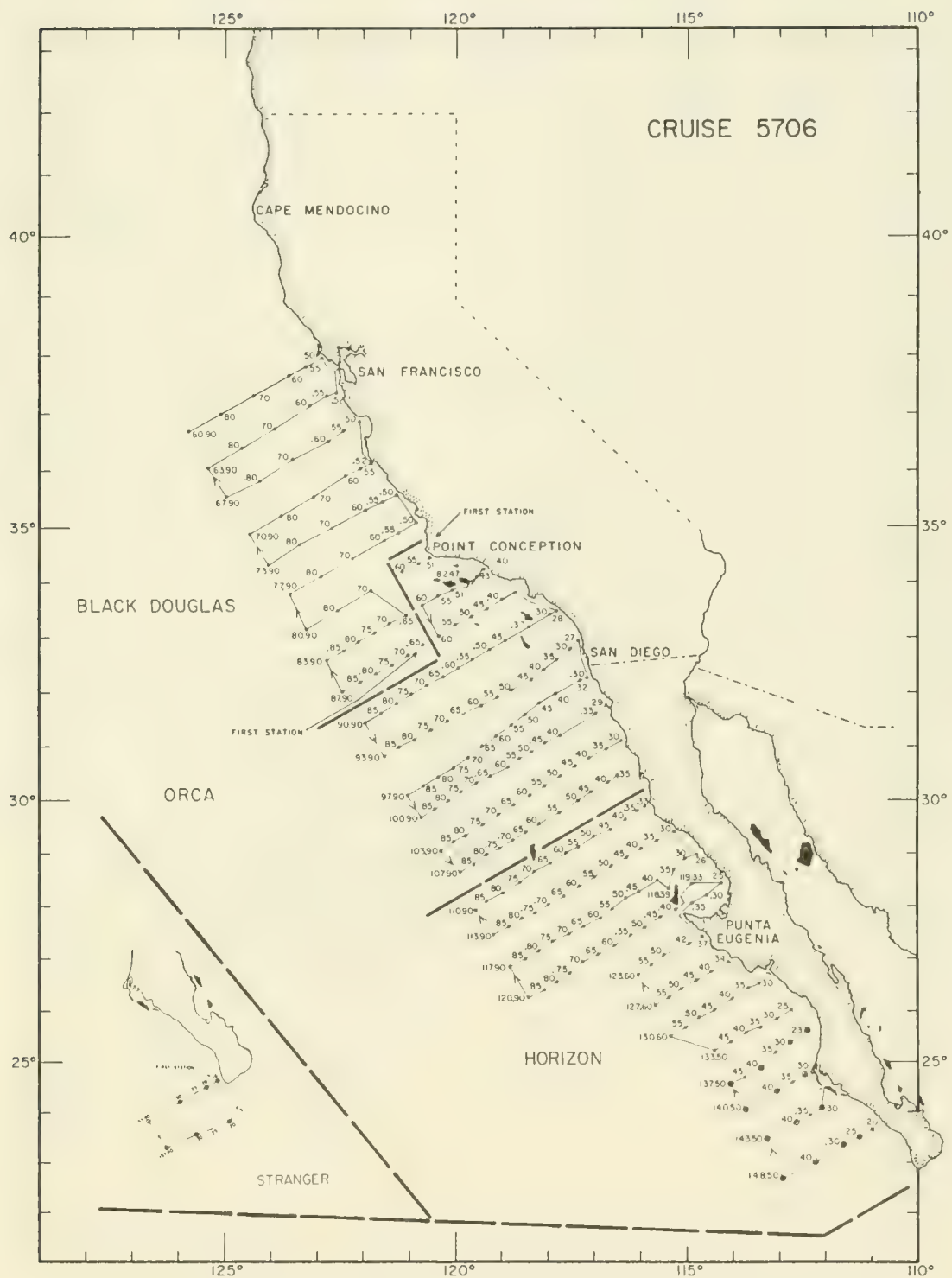


Figure 7. Station pattern for CalCOFI Cruise 5706. Symbols as in Figure 2.

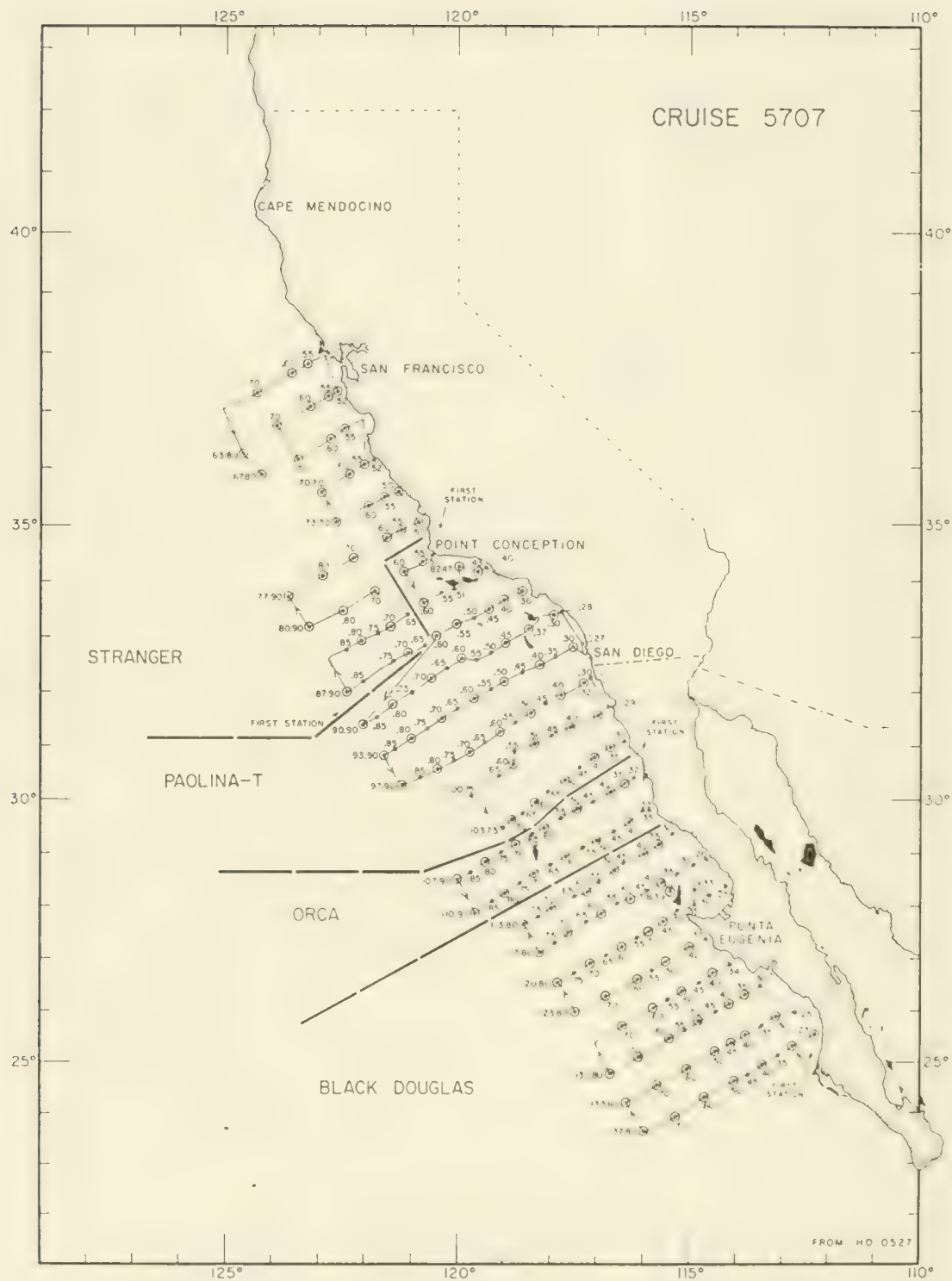


Figure 8. Station pattern for CalCOFI Cruise 5707. Symbols as in Figure 2.

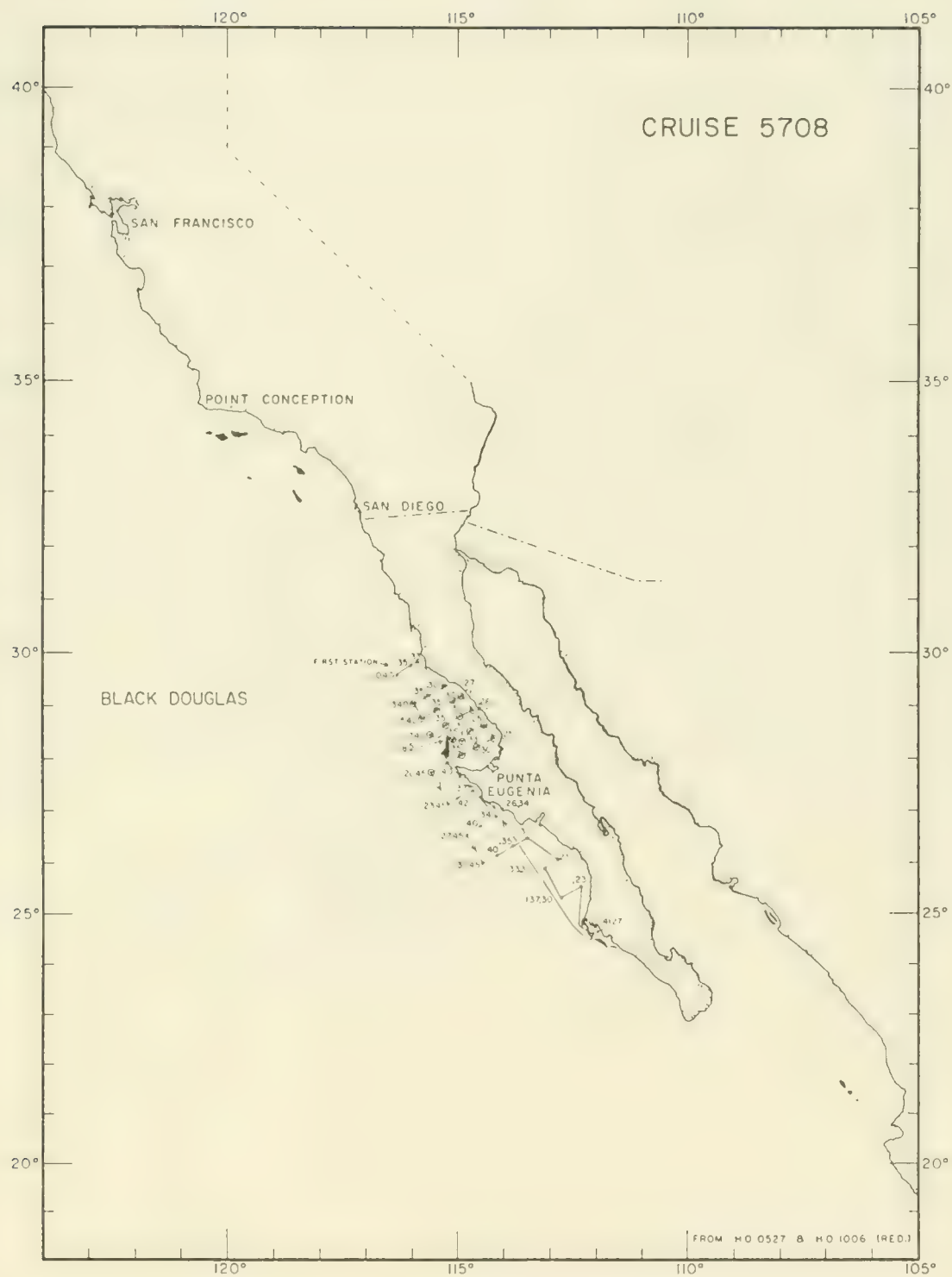


Figure 9. Station pattern for CalCOFI Cruise 5708. Symbols as in Figure 2.

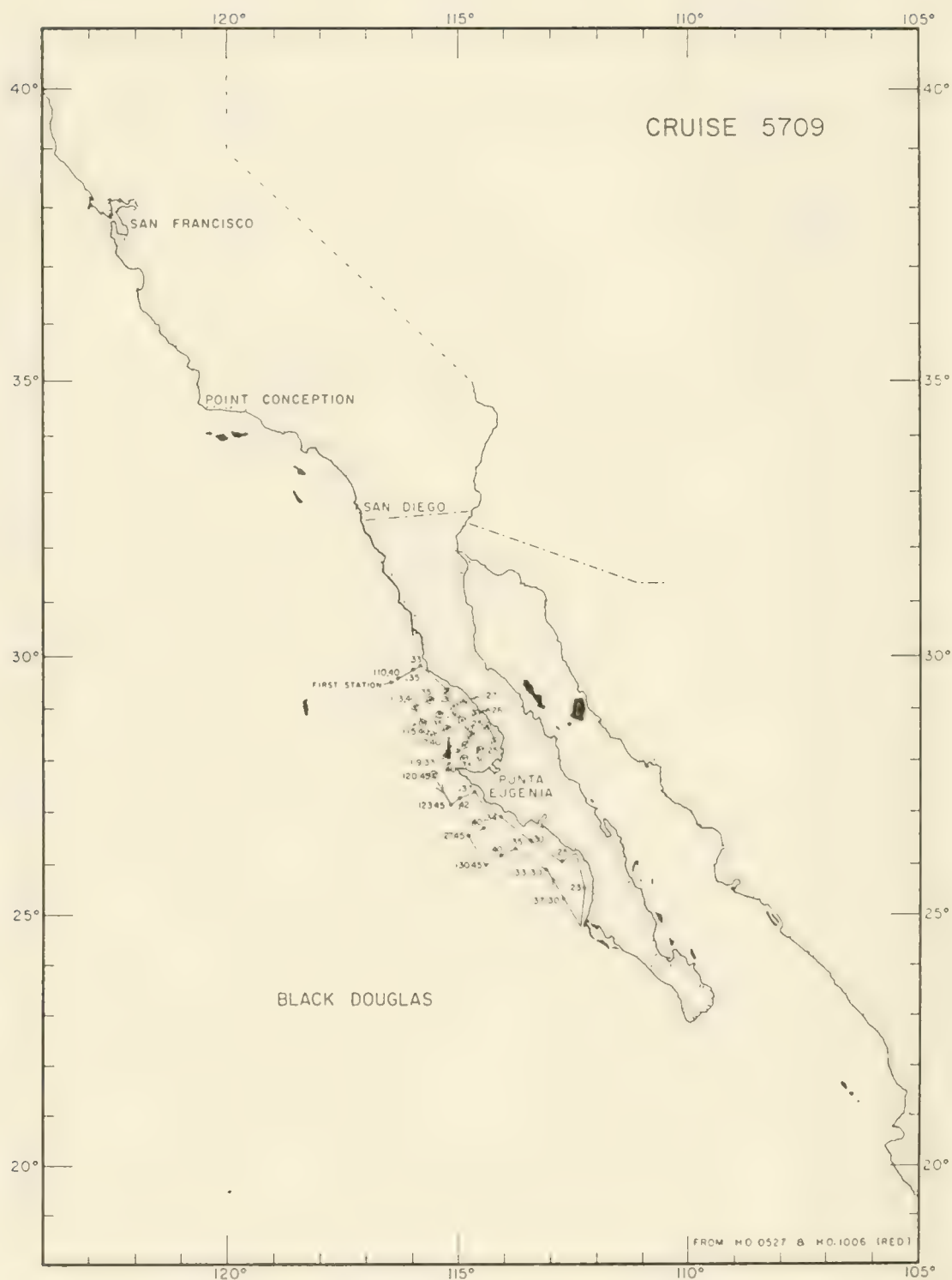


Figure 10. Station pattern for CalCOFI Cruise 5709. Symbols as in Figure 2.

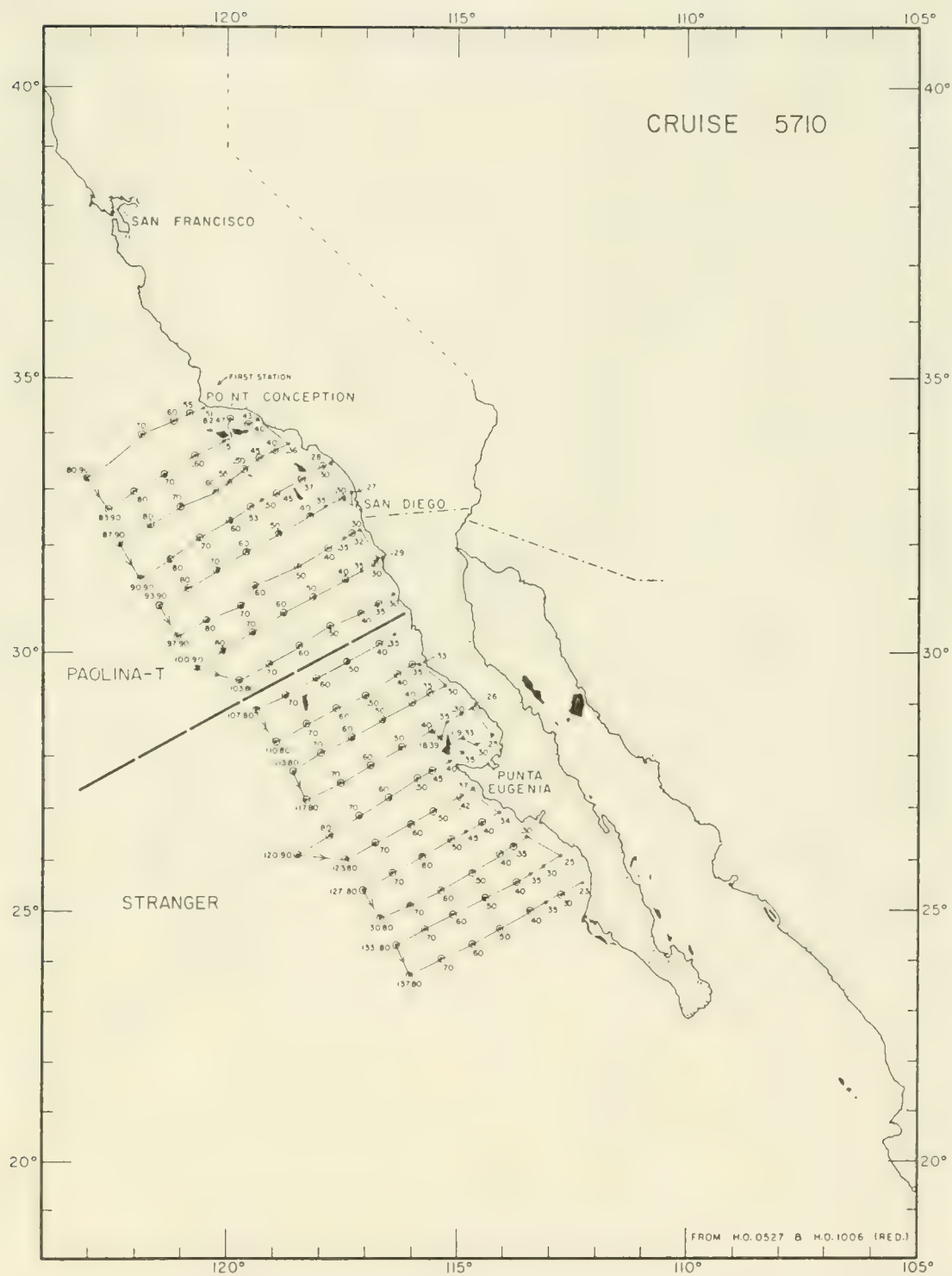


Figure 11. Station pattern for CalCOFI Cruise 5710. Symbols as in Figure 2.

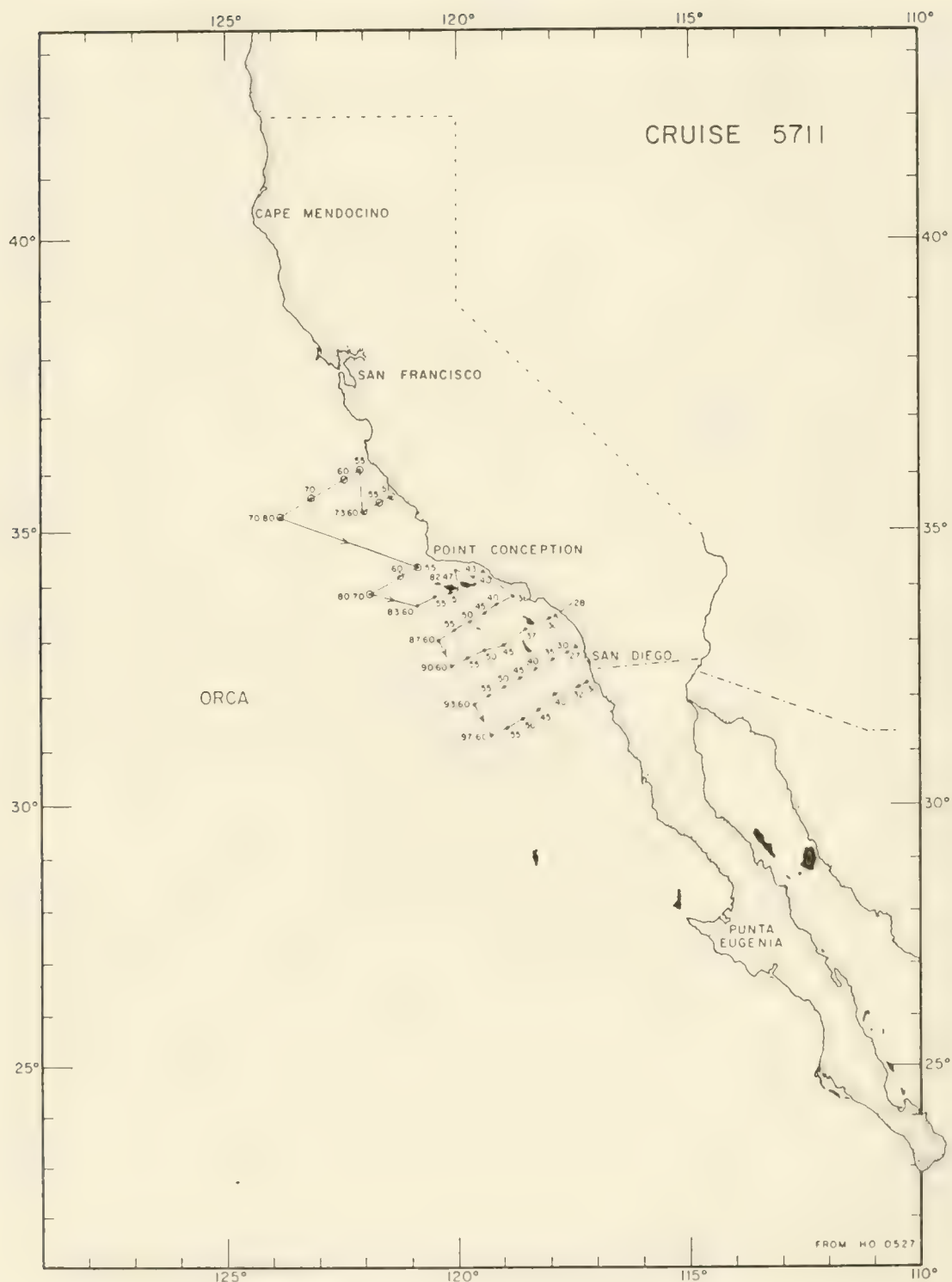


Figure 12. Station pattern for CalCOFI Cruise 5711. Symbols as in Figure 2.

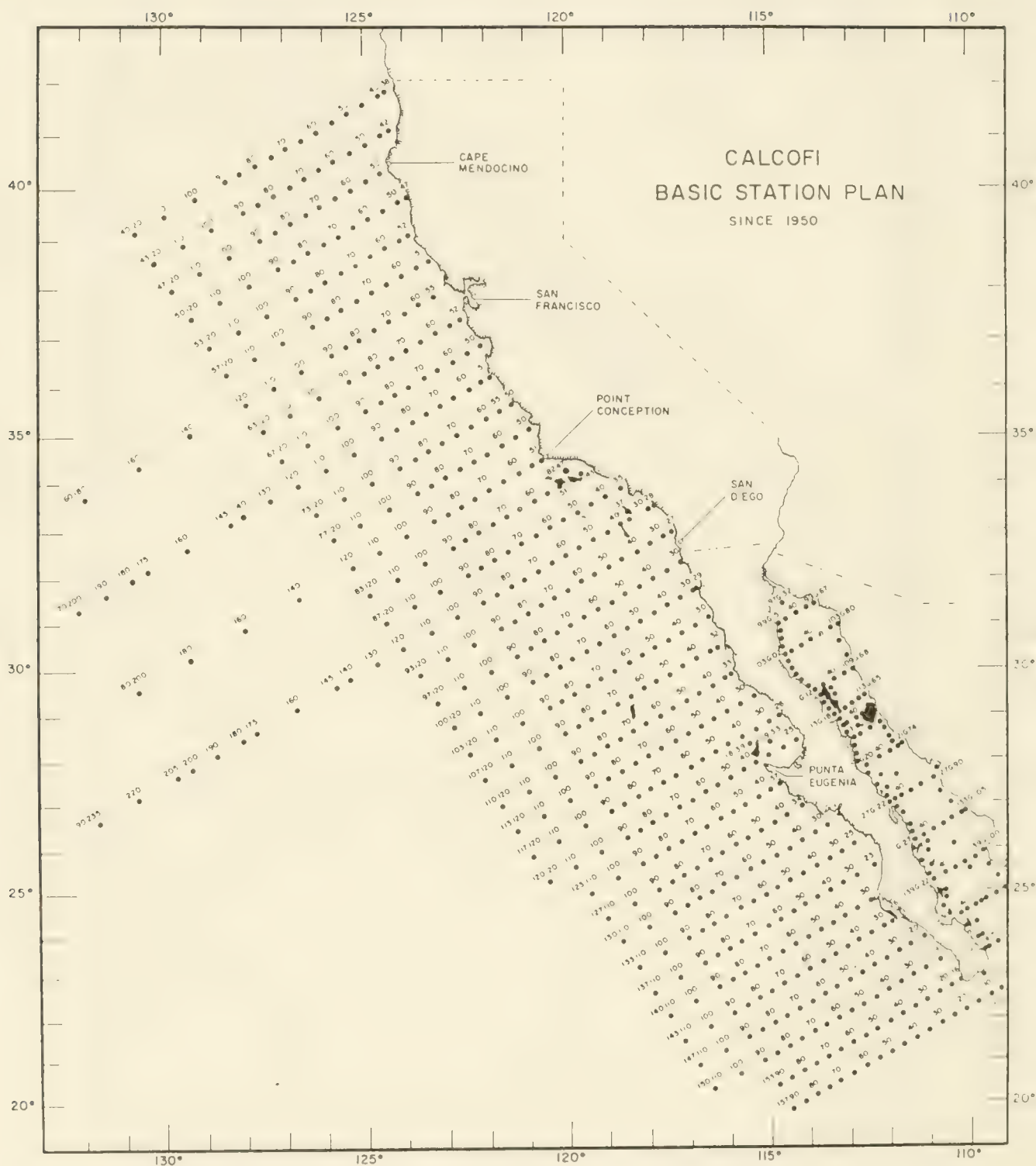


Figure 14. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1957. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 5701

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 100.0 | 60.0 | 30 39.5 | 118 50.0 | OR | 57 01 19 | 0106 | 141 | 474 | 2.97 | 100.0 | 12 | 3 |
| 103.0 | 30.0 | 31 05.0 | 116 25.0 | OR | 57 01 18 | 0319 | 45 | 185 | 2.45 | 100.0 | 75 | 255 |
| 103.0 | 35.0 | 30 55.0 | 116 45.0 | OR | 57 01 18 | 0556 | 139 | 478 | 2.91 | 100.0 | 36 | 1431 |
| 103.0 | 38.0 | 30 49.0 | 116 57.0 | OR | 57 01 18 | 0811 | 138 | 475 | 2.91 | 100.0 | 0 | 436 |
| 103.0 | 40.0 | 30 44.8 | 117 05.5 | OR | 57 01 18 | 0946 | 141 | 460 | 3.06 | 100.0 | 4 | 13 |
| 103.0 | 50.0 | 30 25.0 | 117 46.0 | OR | 57 01 18 | 1456 | 137 | 454 | 3.03 | 100.0 | 2 | 8 |
| 103.0 | 60.0 | 30 04.5 | 118 25.5 | OR | 57 01 18 | 1956 | 141 | 447 | 3.16 | 100.0 | 12 | 1 |
| 107.0 | 32.0 | 30 32.2 | 116 15.3 | OR | 57 01 17 | 2246 | 137 | 469 | 2.91 | 50.0 | 75 | 378 |
| 107.0 | 35.0 | 30 26.0 | 116 25.5 | OR | 57 01 17 | 2051 | 140 | 482 | 2.90 | 100.0 | 41 | 1580 |
| 107.0 | 40.0 | 30 16.5 | 116 46.7 | OR | 57 01 17 | 1826 | 141 | 492 | 2.86 | 100.0 | 10 | 7 |
| 107.0 | 50.0 | 29 49.0 | 117 22.5 | OR | 57 01 17 | 1311 | 139 | 525 | 2.65 | 100.0 | 6 | 2 |
| 107.0 | 60.0 | 29 30.0 | 117 57.0 | OR | 57 01 17 | 0656 | 150 | 475 | 3.16 | 100.0 | 5 | 6 |
| 110.0 | 40.0 | 29 36.1 | 116 19.5 | OR | 57 01 16 | 1316 | 141 | 489 | 2.88 | 100.0 | 2 | 2 |
| 110.0 | 50.0 | 29 16.0 | 116 59.0 | OR | 57 01 16 | 1846 | 139 | 508 | 2.73 | 100.0 | 22 | 1 |
| 110.0 | 60.0 | 28 56.0 | 117 38.0 | OR | 57 01 17 | 0011 | 139 | 482 | 2.89 | 50.0 | 3 | 6 |
| 113.0 | 30.0 | 29 20.2 | 115 23.0 | OR | 57 01 14 | 2012 | 96 | 383 | 2.49 | 100.0 | 167 | 657 |
| 113.0 | 35.0 | 29 10.8 | 115 41.2 | OR | 57 01 14 | 1626 | 139 | 511 | 2.72 | 100.0 | 26 | 46 |
| 113.0 | 40.0 | 29 02.0 | 115 58.5 | OR | 57 01 14 | 1256 | 136 | 531 | 2.57 | 100.0 | 9 | 2 |
| 113.0 | 50.0 | 28 41.0 | 116 38.0 | OR | 57 01 14 | 0536 | 140 | 503 | 2.79 | 100.0 | 20 | 12 |
| 113.0 | 60.0 | 28 22.0 | 117 15.0 | OR | 57 01 13 | 2326 | 140 | 506 | 2.76 | 50.0 | 5 | 34 |
| 113.0 | 70.0 | 28 02.5 | 117 55.5 | OR | 57 01 13 | 1756 | 139 | 529 | 2.58 | 50.0 | 4 | 4 |
| 117.0 | 26.0 | 28 55.5 | 114 41.0 | OR | 57 01 12 | 0329 | 69 | 269 | 2.67 | 100.0 | 807 | 156 |
| 117.0 | 30.0 | 28 48.0 | 114 56.1 | OR | 57 01 12 | 0547 | 98 | 371 | 2.64 | 25.0 | 320 | 18 |
| 117.0 | 35.0 | 28 37.8 | 115 15.7 | OR | 57 01 12 | 0831 | 140 | 523 | 2.67 | 25.0 | 103 | 477 |
| 117.0 | 40.0 | 28 28.0 | 115 35.5 | OR | 57 01 12 | 2051 | 141 | 527 | 2.67 | 25.0 | 111 | 27 |
| 117.0 | 50.0 | 28 08.0 | 116 15.0 | OR | 57 01 13 | 0146 | 139 | 527 | 2.64 | 100.0 | 64 | 9 |
| 117.0 | 60.0 | 27 47.3 | 116 52.5 | OR | 57 01 13 | 0720 | 139 | 516 | 2.70 | 100.0 | 15 | 4 |
| 117.0 | 70.0 | 27 27.0 | 117 32.8 | OR | 57 01 13 | 1216 | 140 | 504 | 2.77 | 50.0 | 79 | 4 |
| 120.0 | 25.0 | 28 23.2 | 114 14.8 | OR | 57 01 11 | 2159 | 49 | 216 | 2.27 | 25.0 | 12 | 672 |
| 120.0 | 30.0 | 28 13.0 | 114 34.0 | OR | 57 01 11 | 1838 | 82 | 335 | 2.46 | 50.0 | 146 | 15 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | OR | 57 01 11 | 1408 | 69 | 295 | 2.33 | 100.0 | 43 | 32 |
| 120.0 | 40.0 | 27 53.0 | 115 13.0 | OR | 57 01 11 | 1120 | 14 | 108 | 1.25 | 100.0 | 35 | 37 |
| 120.0 | 45.0 | 27 43.0 | 115 33.0 | OR | 57 01 10 | 1321 | 141 | 506 | 2.78 | 100.0 | 54 | 106 |
| 120.0 | 50.0 | 27 33.0 | 115 52.5 | OR | 57 01 10 | 1016 | 138 | 507 | 2.72 | 100.0 | 9 | 16 |
| 120.0 | 55.0 | 27 22.5 | 116 11.0 | OR | 57 01 10 | 0706 | 143 | 512 | 2.79 | 100.0 | 4 | 31 |
| 120.0 | 60.0 | 27 13.0 | 116 30.5 | OR | 57 01 10 | 0411 | 136 | 514 | 2.64 | 100.0 | 25 | 29 |
| 120.0 | 70.0 | 26 53.0 | 117 10.5 | OR | 57 01 09 | 2336 | 142 | 480 | 2.95 | 50.0 | 17 | 44 |
| 123.0 | 37.0 | 26 24.0 | 114 40.0 | OR | 57 01 09 | 0353 | 69 | 279 | 2.46 | 100.0 | 74 | 50 |
| 123.0 | 42.0 | 27 14.0 | 114 59.0 | OR | 57 01 09 | 0646 | 140 | 506 | 2.77 | 100.0 | 43 | 59 |
| 123.0 | 50.0 | 26 57.7 | 115 30.5 | OR | 57 01 09 | 1051 | 140 | 493 | 2.84 | 100.0 | 15 | 93 |
| 123.0 | 60.0 | 26 39.0 | 116 08.0 | OR | 57 01 09 | 1611 | 139 | 512 | 2.72 | 100.0 | 6 | 29 |
| 127.0 | 34.0 | 26 55.2 | 114 06.0 | OR | 57 01 08 | 2253 | 71 | 290 | 2.44 | 100.0 | 508 | 306 |
| 127.0 | 40.0 | 26 38.5 | 114 29.0 | OR | 57 01 08 | 1946 | 140 | 514 | 2.73 | 50.0 | 196 | 117 |

TABLE 1. (cont.)

| CalCOFI Cruise 5701 | | | | | | | | | | | | |
|---------------------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
| 127.0 | 50.0 | 26 27.5 | 114 59.5 | OR | 57 01 08 | 1516 | 136 | 518 | 2.63 | 100.0 | 91 | 112 |
| 127.0 | 60.0 | 26 05.0 | 115 45.5 | OR | 57 01 08 | 0906 | 140 | 496 | 2.82 | 100.0 | 9 | 129 |
| 130.0 | 30.0 | 26 28.9 | 113 28.8 | OR | 57 01 07 | 1123 | 77 | 322 | 2.39 | 50.0 | 27 | 65 |
| 130.0 | 35.0 | 26 19.0 | 113 48.3 | OR | 57 01 07 | 1436 | 138 | 523 | 2.64 | 50.0 | 36 | 98 |
| 130.0 | 40.0 | 26 09.0 | 114 06.5 | OR | 57 01 07 | 1746 | 143 | 496 | 2.89 | 50.0 | 130 | 38 |
| 130.0 | 50.0 | 25 49.0 | 114 45.0 | OR | 57 01 07 | 2246 | 141 | 500 | 2.83 | 100.0 | 52 | 33 |
| 130.0 | 60.0 | 25 29.5 | 115 23.0 | OR | 57 01 08 | 0356 | 143 | 498 | 2.87 | 100.0 | 99 | 34 |
| 133.0 | 25.0 | 26 02.5 | 112 51.7 | OR | 57 01 07 | 0549 | 84 | 319 | 2.63 | 100.0 | 524 | 636 |
| 133.0 | 30.0 | 25 54.5 | 113 07.5 | OR | 57 01 07 | 0302 | 84 | 319 | 2.64 | 100.0 | 23 | 127 |
| 133.0 | 35.0 | 25 44.5 | 113 26.0 | OR | 57 01 06 | 2336 | 141 | 503 | 2.81 | 100.0 | 21 | 35 |
| 133.0 | 40.0 | 25 34.5 | 113 45.3 | OR | 57 01 06 | 2026 | 140 | 523 | 2.67 | 100.0 | 31 | 27 |
| 137.0 | 23.0 | 25 34.0 | 112 18.0 | OR | 57 01 06 | 0623 | 70 | 289 | 2.43 | 100.0 | 4 | 74 |
| 137.0 | 30.0 | 25 20.0 | 112 45.0 | OR | 57 01 06 | 1016 | 142 | 498 | 2.85 | 100.0 | 22 | 3 |
| 137.0 | 35.0 | 25 10.0 | 113 05.0 | OR | 57 01 06 | 1410 | 80 | 326 | 2.67 | 100.0 | 36 | 73 |

TABLE 1. (cont.)

CalCOFI Cruise 5702

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 80.0 | 51.0 | 34 26.5 | 120 32.5 | BD | 57 02 06 | 1907 | 80 | 326 | 2.47 | 6.2 | 186 | 17 |
| 80.0 | 55.0 | 34 19.0 | 120 48.0 | BD | 57 02 06 | 2141 | 138 | 466 | 2.97 | 100.0 | 89 | 112 |
| 80.0 | 60.0 | 34 09.0 | 121 09.0 | BD | 57 02 07 | 0016 | 138 | 407 | 3.38 | 100.0 | 253 | 29 |
| 80.0 | 70.0 | 33 49.0 | 121 51.0 | BD | 57 02 07 | 0536 | 136 | 500 | 2.73 | 25.0 | 26 | 218 |
| 80.0 | 80.0 | 33 29.0 | 122 32.0 | BD | 57 02 07 | 1051 | 138 | 468 | 2.95 | 100.0 | 11 | 113 |
| 80.0 | 90.0 | 33 09.0 | 123 13.0 | BD | 57 02 07 | 1546 | 135 | 442 | 3.06 | 25.0 | 2 | 42 |
| 82.0 | 47.0 | 34 15.0 | 119 58.0 | BD | 57 02 08 | 1416 | 133 | 499 | 2.67 | 50.0 | 24 | 20 |
| 83.0 | 40.0 | 34 11.1 | 119 22.0 | BD | 57 02 08 | 1959 | 14 | 96 | 1.45 | 50.0 | 259 | 1321 |
| 83.0 | 43.0 | 34 08.0 | 119 34.0 | BD | 57 02 08 | 1746 | 143 | 476 | 2.99 | 25.0 | 60 | 328 |
| 83.0 | 51.0 | 33 52.0 | 120 08.5 | BD | 57 02 08 | 1016 | 123 | 272 | 4.52 | 25.0 | 137 | 21 |
| 83.0 | 52.0 | 33 50.0 | 120 12.0 | BD | 57 02 08 | 0906 | 134 | 523 | 2.57 | 25.0 | 61 | 143 |
| 83.0 | 60.0 | 33 37.5 | 120 45.5 | BD | 57 02 08 | 0506 | 132 | 562 | 2.34 | 50.0 | 40 | 166 |
| 86.0 | 46.0 | 33 36.0 | 119 29.5 | BD | 57 02 09 | 0721 | 141 | 345 | 4.09 | 25.0 | 26 | 96 |
| 87.0 | 35.0 | 33 48.0 | 118 41.5 | BD | 57 02 09 | 0121 | 127 | 476 | 2.67 | 50.0 | 331 | 922 |
| 87.0 | 38.0 | 33 44.0 | 118 50.0 | BD | 57 02 09 | 0221 | 134 | 444 | 3.03 | 25.0 | 557 | 1628 |
| 87.0 | 40.0 | 33 40.0 | 118 58.5 | BD | 57 02 09 | 0406 | 136 | 446 | 3.06 | 12.5 | 420 | 803 |
| 87.0 | 50.0 | 33 20.0 | 119 39.5 | BD | 57 02 09 | 1048 | 61 | 206 | 2.97 | 100.0 | 99 | 37 |
| 87.0 | 55.0 | 33 10.0 | 120 00.5 | BD | 57 02 09 | 1321 | 136 | 535 | 2.54 | 12.5 | 5 | 56 |
| 87.0 | 60.0 | 33 00.0 | 120 21.5 | BD | 57 02 09 | 1626 | 139 | 494 | 2.82 | 25.0 | 26 | 173 |
| 87.0 | 70.0 | 32 39.5 | 121 02.0 | BD | 57 02 09 | 2105 | 141 | 501 | 2.82 | 12.5 | 4 | 7 |
| 90.0 | 28.0 | 33 28.5 | 117 46.7 | BD | 57 02 11 | 1801 | 138 | 502 | 2.74 | 50.0 | 90 | 662 |
| 90.0 | 30.0 | 33 24.5 | 117 55.0 | BD | 57 02 11 | 1626 | 137 | 440 | 3.13 | 12.5 | 6 | 248 |
| 90.0 | 37.0 | 33 11.0 | 118 23.5 | BD | 57 02 11 | 1206 | 130 | 494 | 2.62 | 6.2 | 6 | 644 |
| 90.0 | 45.0 | 32 54.5 | 118 56.0 | BD | 57 02 11 | 0841 | 141 | 440 | 3.21 | 12.5 | 17 | 272 |
| 90.0 | 55.0 | 32 34.8 | 119 36.8 | BD | 57 02 11 | 0126 | 142 | 479 | 2.96 | 25.0 | 46 | 436 |
| 90.0 | 60.0 | 32 25.0 | 119 57.5 | BD | 57 02 10 | 2136 | 142 | 487 | 2.91 | 100.0 | 44 | 275 |
| 90.0 | 70.0 | 32 04.5 | 120 39.0 | BD | 57 02 10 | 1636 | 142 | 462 | 3.08 | 12.5 | 0 | 14 |
| 90.0 | 80.0 | 31 49.0 | 121 18.5 | BD | 57 02 10 | 1256 | 143 | 494 | 2.89 | 25.0 | 1 | 4 |
| 90.0 | 90.0 | 31 29.0 | 122 02.0 | BD | 57 02 10 | 0736 | 140 | 497 | 2.81 | 100.0 | 0 | 46 |
| 93.0 | 27.0 | 32 56.0 | 117 19.2 | BD | 57 02 11 | 2251 | 126 | 437 | 2.87 | 25.0 | 173 | 1217 |
| 93.0 | 30.0 | 32 50.0 | 117 31.5 | BD | 57 02 12 | 0046 | 133 | 500 | 2.67 | 50.0 | 49 | 359 |
| 93.0 | 40.0 | 32 30.0 | 118 12.5 | BD | 57 02 13 | 1546 | 139 | 502 | 2.77 | 12.5 | 47 | 645 |
| 93.0 | 50.0 | 32 10.0 | 118 53.5 | BD | 57 02 13 | 2101 | 145 | 468 | 3.09 | 25.0 | 126 | 418 |
| 93.0 | 60.0 | 31 50.0 | 119 34.0 | BD | 57 02 14 | 0136 | 146 | 433 | 3.36 | 25.0 | 17 | 116 |
| 93.0 | 70.0 | 31 29.0 | 120 14.0 | BD | 57 02 14 | 0646 | 140 | 444 | 3.15 | 50.0 | 5 | 66 |
| 97.0 | 30.0 | 32 15.4 | 117 08.8 | BD | 57 02 15 | 0918 | 48 | 178 | 2.67 | 100.0 | 82 | 343 |
| 97.0 | 32.0 | 32 11.5 | 117 17.0 | BD | 57 02 15 | 0756 | 137 | 416 | 3.29 | 100.0 | 177 | 825 |
| 97.0 | 40.0 | 31 55.5 | 117 50.0 | BD | 57 02 15 | 0336 | 142 | 458 | 3.09 | 50.0 | 39 | 466 |
| 97.0 | 50.0 | 31 35.5 | 118 30.5 | BD | 57 02 14 | 2256 | 140 | 461 | 3.04 | 6.2 | 33 | 1314 |
| 97.0 | 60.0 | 31 15.0 | 119 11.0 | BD | 57 02 14 | 1605 | 140 | 433 | 3.24 | 12.5 | 77 | 272 |
| 97.0 | 70.0 | 30 54.7 | 119 44.0 | BD | 57 02 14 | 1131 | 142 | 488 | 2.92 | 100.0 | 34 | 127 |
| 100.0 | 29.0 | 31 42.2 | 116 43.4 | BD | 57 02 15 | 1401 | 125 | 419 | 2.98 | 100.0 | 239 | 76 |
| 100.0 | 33.0 | 31 34.5 | 116 59.0 | BD | 57 02 15 | 1646 | 132 | 470 | 2.80 | 25.0 | 120 | 1040 |
| 100.0 | 40.0 | 31 21.0 | 117 27.0 | BD | 57 02 15 | 2006 | 135 | 484 | 2.80 | 12.5 | 93 | 787 |
| 100.0 | 50.0 | 31 01.0 | 118 07.0 | BD | 57 02 16 | 0056 | 130 | 468 | 2.78 | 6.2 | 2 | 422 |

TABLE 1. (cont.)

CalCOFI Cruise 5702

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 100.0 | 60.0 | 30 44.0 | 118 40.0 | BD | 57 02 16 | 0536 | 141 | 413 | 3.41 | 100.0 | 47 | 468 |
| 100.0 | 70.0 | 30 27.5 | 119 13.5 | BD | 57 02 16 | 1016 | 142 | 392 | 3.62 | 25.0 | 4 | 11 |
| 100.0 | 80.0 | 30 01.0 | 120 07.0 | BD | 57 02 16 | 1646 | 141 | 412 | 3.43 | 100.0 | 21 | 846 |
| 100.0 | 90.0 | 29 40.5 | 120 47.0 | BD | 57 02 16 | 2141 | 144 | 398 | 3.70 | 100.0 | 13 | 377 |
| 103.0 | 30.0 | 31 05.2 | 116 25.0 | BD | 57 02 18 | 0548 | 60 | 176 | 3.40 | 25.0 | 108 | 397 |
| 103.0 | 35.0 | 30 55.5 | 116 45.0 | BD | 57 02 18 | 0256 | 141 | 409 | 3.46 | 12.5 | 465 | 181 |
| 103.0 | 38.0 | 30 49.5 | 116 57.2 | BD | 57 02 18 | 0056 | 142 | 434 | 3.28 | 50.0 | 77 | 561 |
| 103.0 | 40.0 | 30 45.5 | 117 05.5 | BD | 57 02 17 | 2351 | 138 | 441 | 3.14 | 50.0 | 61 | 49 |
| 103.0 | 50.0 | 30 25.5 | 117 45.5 | BD | 57 02 17 | 1756 | 147 | 410 | 3.59 | 50.0 | 150 | 132 |
| 103.0 | 60.0 | 30 06.0 | 118 25.5 | BD | 57 02 17 | 1321 | 138 | 455 | 3.04 | 100.0 | 3 | 5 |
| 103.0 | 70.0 | 29 46.0 | 119 05.5 | BD | 57 02 17 | 0821 | 137 | 424 | 3.23 | 50.0 | 10 | 33 |
| 107.0 | 40.0 | 30 10.5 | 116 43.5 | BD | 57 02 18 | 1846 | 142 | 452 | 3.14 | 25.0 | 24 | 18 |
| 107.0 | 50.0 | 29 50.5 | 117 23.5 | BD | 57 02 18 | 2326 | 136 | 500 | 2.72 | 50.0 | 120 | 579 |
| 107.0 | 60.0 | 29 31.0 | 118 03.0 | BD | 57 02 19 | 0406 | 140 | 497 | 2.82 | 50.0 | 27 | 64 |
| 107.0 | 70.0 | 29 11.0 | 118 43.0 | BD | 57 02 19 | 0901 | 134 | 577 | 2.32 | 100.0 | 15 | 49 |
| 110.0 | 33.0 | 29 50.5 | 115 52.2 | BD | 57 02 20 | 2333 | 54 | 207 | 2.61 | 25.0 | 489 | 107 |
| 110.0 | 35.0 | 29 46.5 | 116 00.0 | BD | 57 02 20 | 2216 | 142 | 459 | 3.09 | 25.0 | 165 | 313 |
| 110.0 | 40.0 | 29 36.5 | 116 19.5 | BD | 57 02 20 | 1926 | 141 | 505 | 2.79 | 100.0 | 184 | 39 |
| 110.0 | 50.0 | 29 16.5 | 117 39.0 | BD | 57 02 20 | 1436 | 136 | 510 | 2.66 | 100.0 | 8 | 16 |
| 110.0 | 60.0 | 28 56.5 | 117 59.0 | BD | 57 02 20 | 0951 | 135 | 528 | 2.55 | 50.0 | 5 | 18 |
| 110.0 | 70.0 | 28 36.5 | 118 18.0 | BD | 57 02 20 | 0416 | 141 | 478 | 2.96 | 25.0 | 0 | 9 |
| 110.0 | 80.0 | 28 16.5 | 118 57.8 | BD | 57 02 19 | 2336 | 135 | 531 | 2.54 | 50.0 | 3 | 13 |
| 113.0 | 30.0 | 29 21.4 | 115 16.5 | HO | 57 02 20 | 1915 | 66 | 259 | 2.89 | 50.0 | 4 | 17 |
| 113.0 | 35.0 | 29 12.7 | 115 39.0 | HO | 57 02 20 | 1709 | 129 | 514 | 2.56 | 50.0 | 160 | 1298 |
| 113.0 | 40.0 | 29 03.0 | 115 59.0 | HO | 57 02 20 | 1456 | 124 | 492 | 2.50 | 50.0 | 177 | 371 |
| 113.0 | 50.0 | 28 42.3 | 116 40.0 | HO | 57 02 20 | 1056 | 100 | 498 | 2.01 | 100.0 | 121 | 33 |
| 113.0 | 60.0 | 28 24.7 | 117 15.4 | HO | 57 02 20 | 0726 | 119 | 549 | 2.16 | 100.0 | 1 | 2 |
| 113.0 | 70.0 | 28 05.7 | 117 52.0 | HO | 57 02 20 | 0356 | 131 | 501 | 2.61 | 100.0 | 0 | 1 |
| 117.0 | 26.0 | 28 54.6 | 114 40.5 | HO | 57 02 17 | 2050 | 62 | 264 | 2.36 | 25.0 | 1 | 6 |
| 117.0 | 30.0 | 28 47.8 | 114 55.7 | HO | 57 02 17 | 1857 | 70 | 236 | 2.09 | 6.2 | 229 | 3 |
| 117.0 | 35.0 | 28 38.0 | 115 16.0 | HO | 57 02 17 | 1638 | 87 | 296 | 1.54 | 6.2 | 193 | 24 |
| 117.0 | 40.0 | 28 27.6 | 115 36.3 | HO | 57 02 19 | 1116 | 127 | 548 | 2.31 | 100.0 | 60 | 47 |
| 117.0 | 50.0 | 28 07.4 | 116 15.6 | HO | 57 02 19 | 1458 | 134 | 477 | 2.81 | 100.0 | 41 | 400 |
| 117.0 | 60.0 | 27 41.0 | 116 56.2 | HO | 57 02 19 | 2101 | 121 | 501 | 2.42 | 100.0 | 24 | 23 |
| 117.0 | 70.0 | 27 32.0 | 117 31.2 | HO | 57 02 20 | 0025 | 156 | 387 | 4.03 | 50.0 | 7 | 4 |
| 120.0 | 25.0 | 28 23.0 | 114 14.5 | HO | 57 02 18 | 0025 | 83 | 398 | 2.98 | 50.0 | 1 | 0 |
| 120.0 | 30.0 | 28 13.0 | 114 34.0 | HO | 57 02 18 | 0312 | 98 | 635 | 2.93 | 50.0 | 153 | 569 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | HO | 57 02 16 | 0808 | 64 | 263 | 2.43 | 50.0 | 217 | 113 |
| 120.0 | 40.0 | 27 56.5 | 115 14.0 | HO | 57 02 16 | 0609 | 33 | 142 | 2.35 | 100.0 | 117 | 17 |
| 120.0 | 45.0 | 27 42.5 | 115 34.7 | HO | 57 02 16 | 0020 | 129 | 464 | 2.77 | 100.0 | 70 | 19 |
| 120.0 | 50.0 | 27 33.0 | 115 52.5 | HO | 57 02 15 | 2156 | 130 | 470 | 2.76 | 100.0 | 81 | 83 |
| 120.0 | 55.0 | 27 20.5 | 116 09.5 | HO | 57 02 15 | 1951 | 131 | 557 | 2.35 | 100.0 | 56 | 95 |
| 120.0 | 60.0 | 27 11.5 | 116 29.0 | HO | 57 02 15 | 1631 | 142 | 448 | 3.16 | 100.0 | 38 | 123 |
| 120.0 | 70.0 | 26 58.0 | 117 07.0 | HO | 57 02 15 | 1231 | 139 | 462 | 3.01 | 50.0 | 1 | 6 |

TABLE 1. (cont.)

CalCOFI Cruise 5702

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 120.0 | 80.0 | 26 27.5 | 117 47.0 | HO | 57 02 15 | 0740 | 127 | 517 | 2.45 | 100.0 | 16 | 433 |
| 123.0 | 37.0 | 27 24.7 | 114 39.0 | HO | 57 02 14 | 1108 | 54 | 316 | 1.70 | 100.0 | 262 | 174 |
| 123.0 | 42.0 | 27 11.8 | 115 03.4 | HO | 57 02 14 | 1346 | 129 | 482 | 2.67 | 100.0 | 41 | 178 |
| 123.0 | 50.0 | 26 58.5 | 115 29.2 | HO | 57 02 14 | 1656 | 122 | 514 | 2.38 | 50.0 | 34 | 28 |
| 123.0 | 55.0 | 26 48.0 | 115 50.0 | HO | 57 02 14 | 2004 | 140 | 617 | 2.27 | 50.0 | 66 | 11 |
| 123.0 | 60.0 | 26 38.5 | 116 09.0 | HO | 57 02 14 | 2325 | 123 | 553 | 2.22 | 50.0 | 30 | 280 |
| 127.0 | 34.0 | 26 50.5 | 114 12.6 | HO | 57 02 14 | 0601 | 50 | 192 | 2.63 | 100.0 | 110 | 291 |
| 127.0 | 40.0 | 26 39.9 | 114 32.8 | HO | 57 02 14 | 0336 | 149 | 423 | 3.52 | 50.0 | 222 | 281 |
| 127.0 | 45.0 | 26 31.5 | 114 50.0 | HO | 57 02 14 | 0106 | 134 | 535 | 2.51 | 25.0 | 146 | 63 |
| 127.0 | 50.0 | 26 23.5 | 115 08.0 | HO | 57 02 13 | 2256 | 132 | 501 | 2.64 | 100.0 | 47 | 271 |
| 127.0 | 55.0 | 26 13.8 | 115 26.5 | HO | 57 02 13 | 2026 | 151 | 435 | 3.46 | 100.0 | 33 | 21 |
| 127.0 | 60.0 | 25 01.0 | 115 40.0 | HO | 57 02 13 | 1756 | 136 | 509 | 2.67 | 100.0 | 103 | 31 |
| 130.0 | 30.0 | 26 29.0 | 113 29.0 | HO | 57 02 13 | 0203 | 58 | 360 | 1.60 | 25.0 | 325 | 43 |
| 130.0 | 35.0 | 26 18.5 | 113 48.5 | HO | 57 02 13 | 0413 | 117 | 537 | 2.18 | 50.0 | 423 | 331 |
| 130.0 | 40.0 | 26 07.7 | 114 09.0 | HO | 57 02 13 | 0621 | 128 | 490 | 2.61 | 100.0 | 256 | 106 |
| 130.0 | 50.0 | 25 53.0 | 114 46.0 | HO | 57 02 13 | 1000 | 141 | 475 | 2.98 | 50.0 | 9 | 246 |
| 130.0 | 60.0 | 25 28.0 | 115 20.6 | HO | 57 02 13 | 1405 | 132 | 504 | 2.62 | 100.0 | 44 | 21 |
| 133.0 | 25.0 | 26 04.5 | 112 48.0 | HO | 57 02 12 | 2143 | 35 | 253 | 1.38 | 12.5 | 640 | 21 |
| 133.0 | 30.0 | 25 54.5 | 113 37.5 | HO | 57 02 12 | 1911 | 126 | 534 | 2.37 | 25.0 | 187 | 36 |
| 133.0 | 40.0 | 25 34.5 | 113 34.5 | HO | 57 02 12 | 0830 | 121 | 572 | 2.11 | 100.0 | 47 | 378 |
| 133.0 | 50.0 | 25 16.0 | 114 21.8 | HO | 57 02 12 | 0421 | 144 | 452 | 3.18 | 100.0 | 95 | 215 |
| 137.0 | 23.0 | 25 34.2 | 112 18.7 | HO | 57 02 11 | 1335 | 62 | 289 | 2.13 | 50.0 | 39 | 22 |
| 137.0 | 30.0 | 25 25.3 | 112 47.3 | HO | 57 02 11 | 1611 | 129 | 517 | 2.49 | 25.0 | 3 | 1 |
| 137.0 | 35.0 | 25 18.2 | 113 08.3 | HO | 57 02 11 | 1826 | 130 | 530 | 2.46 | 50.0 | 97 | 255 |
| 137.0 | 40.0 | 25 00.0 | 113 23.5 | HO | 57 02 11 | 2056 | 123 | 556 | 2.20 | 100.0 | 111 | 40 |
| 137.0 | 50.0 | 24 44.5 | 114 00.0 | HO | 57 02 12 | 0044 | 123 | 516 | 2.38 | 100.0 | 46 | 314 |
| 140.0 | 30.0 | 24 45.5 | 112 24.0 | HO | 57 02 11 | 0817 | 91 | 443 | 2.05 | 100.0 | 217 | 122 |
| 140.0 | 35.0 | 24 36.0 | 112 43.0 | HO | 57 02 11 | 0556 | 108 | 591 | 1.83 | 50.0 | 107 | 3 |
| 140.0 | 40.0 | 24 25.5 | 113 02.0 | HO | 57 02 11 | 0331 | 139 | 490 | 2.85 | 100.0 | 63 | 41 |
| 140.0 | 50.0 | 24 05.5 | 113 39.5 | HO | 57 02 10 | 2301 | 151 | 448 | 3.37 | 100.0 | 125 | 161 |
| 143.0 | 26.0 | 24 19.0 | 111 48.0 | HO | 57 02 09 | 0812 | 91 | 441 | 2.07 | 50.0 | 2 | 7 |
| 143.0 | 30.0 | 24 09.0 | 112 01.0 | HO | 57 02 10 | 0941 | 131 | 546 | 2.39 | 100.0 | 246 | 73 |
| 143.0 | 35.0 | 23 58.5 | 112 24.0 | HO | 57 02 10 | 1156 | 117 | 565 | 2.08 | 100.0 | 28 | 173 |
| 143.0 | 40.0 | 23 51.0 | 112 42.2 | HO | 57 02 10 | 1440 | 136 | 477 | 2.86 | 100.0 | 0 | 13 |
| 143.0 | 50.0 | 23 24.8 | 113 19.5 | HO | 57 02 10 | 1840 | 144 | 477 | 3.01 | 100.0 | 27 | 322 |
| 147.0 | 20.0 | 23 56.0 | 111 03.5 | HO | 57 02 09 | 0301 | 147 | 477 | 3.09 | 100.0 | 33 | 11 |
| 147.0 | 25.0 | 23 46.5 | 111 22.5 | HO | 57 02 08 | 2346 | 158 | 434 | 3.63 | 100.0 | 57 | 19 |
| 147.0 | 30.0 | 23 36.0 | 111 41.5 | HO | 57 02 08 | 2051 | 139 | 484 | 2.87 | 100.0 | 14 | 39 |
| 147.0 | 40.0 | 23 17.1 | 112 19.4 | HO | 57 02 08 | 1431 | 121 | 533 | 2.26 | 100.0 | 4 | 82 |
| 150.0 | 19.0 | 23 24.3 | 110 40.8 | HO | 57 02 08 | 0027 | 89 | 432 | 2.07 | 25.0 | 7 | 9 |
| 150.0 | 25.0 | 23 08.3 | 111 04.6 | HO | 57 02 08 | 0326 | 146 | 475 | 3.08 | 100.0 | 83 | 31 |
| 150.0 | 35.0 | 22 48.8 | 111 35.5 | HO | 57 02 08 | 0716 | 158 | 467 | 3.38 | 100.0 | 0 | 19 |
| 150.0 | 40.0 | 22 42.5 | 111 55.4 | HO | 57 02 08 | 1011 | 129 | 563 | 2.29 | 100.0 | 10 | 754 |
| 153.0 | 16.0 | 22 55.0 | 110 07.2 | SB | 57 02 24 | 1656 | 123 | 431 | 2.85 | 50.0 | 9 | 6 |
| 153.0 | 16.0 | 22 55.0 | 110 07.5 | SB | 57 02 08 | 0556 | 111 | 605 | 1.84 | 100.0 | 64 | 435 |

TABLE 1. (cont.)

| CalCOFI Cruise 5702 | | | | | | | | | | | | | |
|---------------------|---------|----------------------|-----------------------|--------------|--------------------|-------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow yr. mo. day | Tow Date | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
| 153.0 | 20.0 | 22 47.5 | 110 22.0 | SB | 57 02 24 | 24 | 1406 | 149 | 438 | 3.40 | 100.0 | 10 | 32 |
| 153.0 | 30.0 | 22 27.0 | 110 59.0 | SB | 57 02 24 | 24 | 0921 | 131 | 434 | 3.01 | 100.0 | 33 | 868 |
| 153.0 | 40.0 | 22 04.2 | 111 42.2 | SB | 57 02 24 | 24 | 0356 | 119 | 530 | 2.25 | 100.0 | 43 | 403 |
| 157.0 | 20.0 | 22 07.9 | 110 06.2 | SB | 57 02 23 | 23 | 1411 | 151 | 430 | 3.51 | 100.0 | 116 | 115 |
| 157.0 | 30.0 | 21 48.4 | 110 38.3 | SB | 57 02 23 | 23 | 1826 | 130 | 444 | 2.94 | 50.0 | 166 | 47 |

TABLE 1. (cont.)

CalCOFI Cruise 5703

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 80.0 | 51.0 | 34 26.0 | 120 32.0 | OR | 57 03 07 | 1314 | 79 | 258 | 3.05 | 100.0 | 8 | 9 |
| 80.0 | 55.0 | 34 19.0 | 120 49.0 | OR | 57 03 07 | 1516 | 142 | 481 | 2.95 | 50.0 | 85 | 81 |
| 80.0 | 60.0 | 34 09.0 | 121 09.0 | OR | 57 03 07 | 1856 | 143 | 474 | 3.02 | 25.0 | 20 | 8 |
| 80.0 | 70.0 | 33 49.0 | 121 50.0 | OR | 57 03 08 | 0027 | 137 | 498 | 2.76 | 50.0 | 4 | 20 |
| 80.0 | 80.0 | 33 29.0 | 122 32.0 | OR | 57 03 08 | 0541 | 140 | 484 | 2.90 | 50.0 | 60 | 38 |
| 80.0 | 90.0 | 33 09.0 | 123 12.0 | OR | 57 03 08 | 1056 | 142 | 481 | 2.96 | 50.0 | 24 | 87 |
| 82.0 | 47.0 | 34 15.0 | 119 58.0 | OR | 57 03 09 | 1146 | 137 | 498 | 2.75 | 100.0 | 197 | 1055 |
| 83.0 | 40.0 | 34 14.0 | 119 22.0 | OR | 57 03 09 | 1603 | 21 | 100 | 2.05 | 100.0 | 21 | 374 |
| 83.0 | 43.0 | 34 07.0 | 119 35.0 | OR | 57 03 09 | 1426 | 138 | 489 | 2.83 | 100.0 | 126 | 46 |
| 83.0 | 48.0 | 33 58.0 | 119 56.0 | OR | 57 03 09 | 0918 | 67 | 266 | 2.52 | 100.0 | 211 | 58 |
| 83.0 | 52.0 | 33 50.0 | 120 12.0 | OR | 57 03 09 | 0706 | 136 | 502 | 2.70 | 100.0 | 252 | 138 |
| 83.0 | 60.0 | 33 34.0 | 120 45.0 | OR | 57 03 09 | 0329 | 140 | 476 | 2.94 | 50.0 | 146 | 58 |
| 83.0 | 70.0 | 33 14.0 | 121 26.0 | OR | 57 03 08 | 2115 | 141 | 490 | 2.87 | 25.0 | 15 | 10 |
| 87.0 | 36.0 | 33 48.0 | 118 45.0 | OR | 57 03 09 | 2101 | 142 | 473 | 3.01 | 50.0 | 787 | 507 |
| 87.0 | 40.0 | 33 40.0 | 118 59.0 | OR | 57 03 10 | 0001 | 137 | 496 | 2.76 | 25.0 | 377 | 308 |
| 87.0 | 45.0 | 33 30.0 | 119 19.0 | OR | 57 03 11 | 1213 | 144 | 462 | 3.12 | 50.0 | 305 | 370 |
| 87.0 | 50.0 | 33 20.0 | 119 39.0 | OR | 57 03 11 | 1528 | 72 | 245 | 2.92 | 25.0 | 107 | 157 |
| 87.0 | 60.0 | 33 00.0 | 120 22.0 | OR | 57 03 11 | 2056 | 139 | 473 | 2.93 | 6.2 | 1 | 1 |
| 87.0 | 70.0 | 32 40.0 | 121 03.0 | OR | 57 03 12 | 0203 | 140 | 476 | 2.94 | 25.0 | 214 | 98 |
| 90.0 | 28.0 | 33 30.0 | 117 47.0 | OR | 57 03 17 | 0114 | 69 | 307 | 2.25 | 100.0 | 685 | 468 |
| 90.0 | 30.0 | 33 25.0 | 117 55.0 | OR | 57 03 16 | 2346 | 145 | 435 | 3.33 | 50.0 | 268 | 327 |
| 90.0 | 37.0 | 33 11.0 | 118 24.0 | OR | 57 03 16 | 1941 | 140 | 464 | 3.01 | 25.0 | 241 | 193 |
| 90.0 | 45.0 | 32 55.0 | 118 56.0 | OR | 57 03 16 | 1521 | 140 | 477 | 2.92 | 100.0 | 157 | 150 |
| 90.0 | 55.0 | 32 35.0 | 119 37.0 | OR | 57 03 16 | 0956 | 139 | 452 | 3.07 | 12.5 | 5 | 47 |
| 90.0 | 60.0 | 32 25.0 | 119 58.0 | OR | 57 03 16 | 0656 | 139 | 487 | 2.85 | 50.0 | 255 | 335 |
| 90.0 | 70.0 | 32 05.0 | 120 38.0 | OR | 57 03 12 | 2341 | 139 | 497 | 2.80 | 25.0 | 2309 | 68 |
| 90.0 | 80.0 | 31 45.0 | 121 19.0 | OR | 57 03 12 | 1806 | 140 | 488 | 2.86 | 50.0 | 180 | 58 |
| 90.0 | 90.0 | 31 25.0 | 121 59.0 | OR | 57 03 12 | 1246 | 140 | 444 | 3.16 | 100.0 | 403 | 148 |
| 93.0 | 27.0 | 32 56.0 | 117 19.0 | OR | 57 03 17 | 0621 | 138 | 468 | 2.96 | 100.0 | 404 | 171 |
| 93.0 | 30.0 | 32 50.0 | 117 32.0 | OR | 57 03 17 | 1001 | 141 | 473 | 2.97 | 100.0 | 441 | 606 |
| 93.0 | 40.0 | 32 30.0 | 118 12.0 | OR | 57 03 17 | 1510 | 139 | 430 | 3.23 | 100.0 | 95 | 91 |
| 93.0 | 50.0 | 32 10.0 | 118 53.0 | OR | 57 03 17 | 2011 | 140 | 464 | 3.01 | 50.0 | 232 | 197 |
| 93.0 | 60.0 | 31 51.0 | 119 34.0 | OR | 57 03 18 | 0125 | 139 | 428 | 3.24 | 100.0 | 223 | 163 |
| 93.0 | 70.0 | 31 30.0 | 120 15.0 | OR | 57 03 18 | 0635 | 138 | 459 | 3.00 | 100.0 | 16 | 31 |
| 97.0 | 30.0 | 32 16.0 | 117 09.0 | OR | 57 03 19 | 1253 | 53 | 208 | 2.53 | 50.0 | 182 | 58 |
| 97.0 | 40.0 | 32 07.0 | 117 28.0 | OR | 57 03 19 | 1013 | 142 | 458 | 3.10 | 100.0 | 255 | 538 |
| 97.0 | 50.0 | 31 45.0 | 118 11.0 | OR | 57 03 19 | 0440 | 135 | 474 | 2.85 | 50.0 | 96 | 73 |
| 100.0 | 29.0 | 31 41.0 | 116 43.0 | OR | 57 03 20 | 2311 | 146 | 418 | 3.49 | 100.0 | 47 | 139 |
| 100.0 | 33.0 | 31 35.0 | 116 59.0 | OR | 57 03 21 | 0134 | 143 | 418 | 3.42 | 100.0 | 88 | 285 |
| 100.0 | 40.0 | 31 21.0 | 117 27.0 | OR | 57 03 21 | 0528 | 142 | 465 | 3.06 | 100.0 | 51 | 144 |
| 100.0 | 50.0 | 31 01.0 | 118 08.0 | OR | 57 03 21 | 1036 | 143 | 450 | 3.18 | 25.0 | 2 | 0 |
| 100.0 | 60.0 | 30 40.0 | 118 47.0 | OR | 57 03 21 | 1536 | 139 | 464 | 3.00 | 100.0 | 6 | 7 |
| 103.0 | 30.0 | 31 05.0 | 116 25.0 | OR | 57 03 29 | 2047 | 40 | 137 | 2.93 | 100.0 | 108 | 105 |
| 103.0 | 35.0 | 30 55.0 | 116 45.0 | OR | 57 03 29 | 1754 | 137 | 470 | 2.90 | 100.0 | 46 | 534 |
| 103.0 | 40.0 | 30 45.0 | 117 06.0 | OR | 57 03 29 | 1516 | 143 | 361 | 3.96 | 100.0 | 4 | 89 |

TABLE 1. (cont.)

CalCOPI Cruise 5703

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 103.0 | 50.0 | 30 26.0 | 117 44.0 | OR | 57 03 29 | 1008 | 142 | 458 | 3.11 | 100.0 | 14 | 39 |
| 103.0 | 70.0 | 29 43.0 | 118 42.0 | OR | 57 03 21 | 2331 | 144 | 463 | 3.10 | 100.0 | 60 | 68 |
| 107.0 | 32.0 | 30 26.0 | 116 11.0 | OR | 57 03 28 | 1128 | 139 | 419 | 3.32 | 100.0 | 145 | 71 |
| 107.0 | 35.0 | 30 19.0 | 116 23.0 | OR | 57 03 28 | 1325 | 142 | 442 | 3.21 | 100.0 | 2 | 296 |
| 107.0 | 40.0 | 30 10.0 | 116 43.0 | OR | 57 03 28 | 1616 | 139 | 453 | 3.06 | 100.0 | 9 | 18 |
| 107.0 | 50.0 | 29 50.0 | 117 24.0 | OR | 57 03 28 | 2121 | 139 | 462 | 3.01 | 100.0 | 8 | 18 |
| 107.0 | 60.0 | 29 32.0 | 118 02.0 | OR | 57 03 29 | 0232 | 142 | 374 | 3.80 | 100.0 | 25 | 94 |
| 107.0 | 70.0 | 29 12.0 | 118 40.0 | OR | 57 03 26 | 2206 | 142 | 458 | 3.11 | 100.0 | 121 | 85 |
| 110.0 | 33.0 | 29 50.0 | 115 52.0 | OR | 57 03 28 | 0138 | 77 | 170 | 4.50 | 100.0 | 23 | 17 |
| 110.0 | 35.0 | 29 46.0 | 116 00.0 | OR | 57 03 28 | 0001 | 137 | 391 | 3.51 | 100.0 | 239 | 413 |
| 110.0 | 40.0 | 29 36.0 | 116 19.0 | OR | 57 03 27 | 2010 | 145 | 440 | 3.29 | 100.0 | 14 | 162 |
| 110.0 | 50.0 | 29 17.0 | 117 00.0 | OR | 57 03 27 | 1445 | 142 | 381 | 3.74 | 100.0 | 12 | 19 |
| 110.0 | 60.0 | 28 56.0 | 117 39.0 | OR | 57 03 27 | 0909 | 145 | 523 | 2.78 | 100.0 | 7 | 22 |
| 110.0 | 70.0 | 28 37.0 | 118 18.0 | OR | 57 03 27 | 0336 | 144 | 464 | 3.10 | 100.0 | 33 | 32 |
| 113.0 | 30.0 | 29 22.5 | 115 17.5 | BD | 57 03 22 | 0109 | 43 | 147 | 2.91 | 50.0 | 55 | 39 |
| 113.0 | 35.0 | 29 12.0 | 115 39.0 | BD | 57 03 21 | 2231 | 150 | 473 | 3.17 | 25.0 | 110 | 1014 |
| 113.0 | 40.0 | 29 02.0 | 115 58.5 | BD | 57 03 21 | 1941 | 149 | 425 | 3.50 | 50.0 | 125 | 200 |
| 113.0 | 50.0 | 28 42.1 | 116 35.4 | BD | 57 03 21 | 1506 | 145 | 438 | 3.31 | 100.0 | 22 | 22 |
| 113.0 | 60.0 | 28 22.0 | 117 16.5 | BD | 57 03 21 | 1021 | 141 | 449 | 3.15 | 100.0 | 7 | 5 |
| 113.0 | 70.0 | 28 02.0 | 117 55.5 | BD | 57 03 21 | 0526 | 142 | 467 | 3.05 | 100.0 | 13 | 82 |
| 117.0 | 26.0 | 28 56.0 | 114 41.0 | BD | 57 03 19 | 2308 | 45 | 138 | 3.28 | 100.0 | 1 | 0 |
| 117.0 | 30.0 | 28 48.0 | 114 56.5 | BD | 57 03 20 | 0138 | 84 | 272 | 3.08 | 100.0 | 334 | 450 |
| 117.0 | 35.0 | 28 38.0 | 115 16.0 | BD | 57 03 20 | 0421 | 145 | 420 | 3.45 | 25.0 | 194 | 174 |
| 117.0 | 40.0 | 28 28.0 | 115 35.5 | BD | 57 03 20 | 0646 | 135 | 452 | 2.98 | 100.0 | 71 | 150 |
| 117.0 | 50.0 | 28 07.6 | 116 14.4 | BD | 57 03 20 | 1416 | 138 | 444 | 3.12 | 50.0 | 133 | 640 |
| 117.0 | 60.0 | 27 47.5 | 116 54.0 | BD | 57 03 20 | 1930 | 142 | 461 | 3.07 | 100.0 | 85 | 46 |
| 117.0 | 70.0 | 27 27.5 | 117 32.5 | BD | 57 03 21 | 0026 | 141 | 440 | 3.21 | 100.0 | 161 | 70 |
| 118.0 | 39.0 | 27 18.5 | 115 24.0 | BD | 57 03 20 | 0901 | 130 | 541 | 2.39 | 25.0 | 58 | 313 |
| 119.0 | 33.0 | 28 19.0 | 114 53.0 | BD | 57 03 19 | 1328 | 85 | 263 | 3.24 | 50.0 | 153 | 479 |
| 120.0 | 25.0 | 28 23.0 | 114 14.5 | BD | 57 03 19 | 1748 | 52 | 175 | 2.98 | 50.0 | 348 | 917 |
| 120.0 | 30.0 | 28 13.0 | 114 34.0 | BD | 57 03 19 | 1527 | 92 | 305 | 3.01 | 25.0 | 42 | 213 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | BD | 57 03 19 | 0916 | 58 | 255 | 2.27 | 25.0 | 0 | 0 |
| 120.0 | 40.0 | 27 56.5 | 115 14.0 | BD | 57 03 19 | 0916 | 24 | 129 | 1.87 | 100.0 | 0 | 28 |
| 120.0 | 60.0 | 27 12.1 | 116 22.0 | BD | 57 03 18 | 1841 | 132 | 460 | 2.86 | 25.0 | 8 | 25 |
| 120.0 | 70.0 | 26 52.5 | 117 10.0 | BD | 57 03 18 | 1216 | 151 | 437 | 3.73 | 100.0 | 16 | 197 |
| 120.0 | 80.0 | 26 32.5 | 117 48.5 | BD | 57 03 18 | 0701 | 142 | 437 | 3.25 | 100.0 | 33 | 380 |
| 123.0 | 37.0 | 27 24.0 | 114 39.7 | BD | 57 03 17 | 0908 | 54 | 168 | 3.24 | 100.0 | 178 | 52 |
| 123.0 | 42.0 | 27 14.0 | 114 59.3 | BD | 57 03 17 | 1146 | 136 | 455 | 2.99 | 50.0 | 44 | 564 |
| 123.0 | 50.0 | 26 59.1 | 115 30.4 | BD | 57 03 17 | 1556 | 140 | 465 | 3.00 | 50.0 | 13 | 29 |
| 123.0 | 55.0 | 26 48.8 | 115 52.0 | BD | 57 03 17 | 1846 | 136 | 471 | 2.89 | 100.0 | 135 | 367 |
| 123.0 | 60.0 | 26 38.5 | 116 09.0 | BD | 57 03 17 | 2106 | 140 | 494 | 2.83 | 50.0 | 25 | 32 |
| 127.0 | 34.0 | 26 55.3 | 114 06.0 | BD | 57 03 17 | 0343 | 71 | 231 | 3.05 | 100.0 | 200 | 467 |
| 127.0 | 40.0 | 26 41.3 | 114 21.7 | BD | 57 03 17 | 0025 | 143 | 381 | 3.75 | 50.0 | 50 | 632 |
| 127.0 | 45.0 | 26 30.7 | 114 42.6 | BD | 57 03 16 | 2136 | 132 | 481 | 2.74 | 25.0 | 38 | 737 |
| 127.0 | 50.0 | 26 20.2 | 115 02.8 | BD | 57 03 16 | 1841 | 138 | 439 | 3.15 | 50.0 | 32 | 103 |

TABLE 1. (cont.)

CalCOFI Cruise 5703

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|--------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 127.0 | 55.0 | 26 09.2 | 115 23.0 | BD | 57 03 16 | 1550 | 143 | 425 | 3.37 | 50.0 | 19 | 32 |
| 127.0 | 60.0 | 25 59.2 | 115 42.8 | BD | 57 03 16 | 1246 | 146 | 428 | 3.41 | 100.0 | 63 | 41 |
| 130.0 | 30.0 | 26 29.0 | 113 29.0 | BD | 57 03 15 | 0428 | 66 | 246 | 2.67 | 25.0 | 19 | 337 |
| 130.0 | 35.0 | 26 18.0 | 113 48.3 | BD | 57 03 15 | 1721 | 142 | 456 | 3.11 | 100.0 | 24 | 141 |
| 130.0 | 40.0 | 26 09.0 | 114 07.5 | BD | 57 03 15 | 2026 | 136 | 505 | 2.69 | 100.0 | 126 | 46 |
| 130.0 | 50.0 | 25 49.0 | 114 46.0 | BD | 57 03 16 | 0211 | 147 | 432 | 3.41 | 100.0 | 85 | 77 |
| 130.0 | 60.0 | 25 29.0 | 115 24.0 | BD | 57 03 16 | 0721 | 139 | 455 | 3.05 | 100.0 | 46 | 402 |
| 133.0 | 25.0 | 26 04.5 | 112 48.0 | BD | 57 03 14 | 2213 | 67 | 262 | 2.56 | 25.0 | 32 | 7 |
| 133.0 | 30.0 | 25 54.5 | 113 07.5 | BD | 57 03 14 | 1921 | 136 | 498 | 2.73 | 25.0 | 53 | 73 |
| 133.0 | 35.0 | 25 45.3 | 113 26.5 | BD | 57 03 14 | 1401 | 142 | 439 | 3.22 | 100.0 | 78 | 490 |
| 133.0 | 40.0 | 25 33.8 | 113 45.4 | BD | 57 03 14 | 1106 | 131 | 458 | 2.87 | 100.0 | 50 | 125 |
| 133.0 | 50.0 | 25 13.2 | 114 23.5 | BD | 57 03 14 | 0521 | 143 | 440 | 3.24 | 100.0 | 16 | 80 |
| 137.0 | 23.0 | 25 34.2 | 112 18.7 | BD | 57 03 13 | 0738 | 70 | 243 | 2.86 | 100.0 | 17 | 2 |
| 137.0 | 30.0 | 25 20.0 | 112 45.5 | BD | 57 03 13 | 1126 | 131 | 471 | 2.79 | 100.0 | 20 | 128 |
| 137.0 | 35.0 | 25 10.2 | 113 03.9 | BD | 57 03 13 | 1410 | 142 | 488 | 2.92 | 50.0 | 171 | 214 |
| 137.0 | 40.0 | 25 03.7 | 113 24.5 | BD | 57 03 13 | 1751 | 134 | 461 | 2.91 | 100.0 | 335 | 415 |
| 137.0 | 50.0 | 24 38.5 | 114 01.3 | BD | 57 03 13 | 2336 | 142 | 450 | 3.15 | 100.0 | 29 | 80 |
| 140.0 | 30.0 | 24 45.5 | 112 24.0 | BD | 57 03 12 | 2318 | 68 | 251 | 2.70 | 100.0 | 21 | 7 |
| 140.0 | 35.0 | 24 36.0 | 112 43.0 | BD | 57 03 12 | 2006 | 148 | 538 | 2.75 | 100.0 | 89 | 168 |
| 140.0 | 40.0 | 24 25.5 | 113 02.0 | BD | 57 03 12 | 1651 | 143 | 450 | 3.18 | 100.0 | 28 | 77 |
| 140.0 | 50.0 | 24 05.5 | 113 40.2 | BD | 57 03 12 | 1126 | 135 | 467 | 2.90 | 100.0 | 14 | 161 |
| 143.0 | 26.0 | 24 19.0 | 111 48.0 | BD | 57 03 10 | 2228 | 72 | 245 | 2.94 | 100.0 | 5 | 1 |
| 143.0 | 30.0 | 24 11.0 | 112 03.0 | BD | 57 03 11 | 0101 | 145 | 436 | 3.31 | 100.0 | 1 | 42 |
| 143.0 | 35.0 | 24 01.0 | 112 22.0 | BD | 57 03 11 | 2104 | 134 | 547 | 2.44 | 25.0 | 10 | 15 |
| 143.0 | 40.0 | 23 51.0 | 112 40.5 | BD | 57 03 12 | 0031 | 145 | 472 | 3.07 | 50.0 | 12 | 684 |
| 143.0 | 50.0 | 23 31.6 | 113 18.0 | BD | 57 03 12 | 0556 | 141 | 450 | 3.13 | 100.0 | 1 | 1374 |
| 147.0 | 20.0 | 23 56.0 | 111 03.5 | BD | 57 03 10 | 1551 | 121 | 386 | 3.13 | 100.0 | 1 | 9 |
| 147.0 | 25.0 | 23 46.5 | 111 22.5 | BD | 57 03 10 | 1306 | 139 | 536 | 2.59 | 100.0 | 31 | 26 |
| 147.0 | 30.0 | 23 36.0 | 111 41.5 | BD | 57 03 10 | 1011 | 137 | 472 | 2.90 | 100.0 | 74 | 217 |
| 147.0 | 40.0 | 23 12.3 | 112 16.5 | BD | 57 03 10 | 0506 | 143 | 476 | 3.01 | 100.0 | 5 | 551 |
| 150.0 | 19.0 | 23 23.7 | 110 39.0 | BD | 57 03 09 | 1316 | 128 | 553 | 2.31 | 100.0 | 2 | 16 |
| 150.0 | 25.0 | 23 12.0 | 111 01.5 | BD | 57 03 09 | 1641 | 148 | 528 | 2.81 | 100.0 | 1 | 46 |
| 150.0 | 30.0 | 23 02.0 | 111 20.0 | BD | 57 03 09 | 1921 | 136 | 539 | 2.52 | 100.0 | 24 | 91 |
| 150.0 | 40.0 | 22 42.0 | 111 57.2 | BD | 57 03 10 | 0011 | 140 | 666 | 2.10 | 100.0 | 9 | 223 |

TABLE 1. (cont.)

CalCOFI Cruise 5704

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 80.0 | 51.0 | 34 26.5 | 120 32.5 | HO | 57 04 11 | 0713 | 86 | 300 | 2.87 | 25.0 | 5 | 14 |
| 80.0 | 55.0 | 34 18.5 | 120 49.0 | HO | 57 04 11 | 1021 | 112 | 601 | 1.86 | 25.0 | 168 | 54 |
| 80.0 | 60.0 | 34 09.0 | 121 09.0 | HO | 57 04 11 | 1356 | 126 | 522 | 2.42 | 25.0 | 17 | 17 |
| 80.0 | 70.0 | 33 42.3 | 121 55.0 | HO | 57 04 11 | 1926 | 144 | 445 | 3.23 | 12.5 | 11 | 4 |
| 80.0 | 80.0 | 33 26.5 | 122 32.8 | HO | 57 04 11 | 2356 | 129 | 562 | 2.29 | 25.0 | 7 | 9 |
| 80.0 | 90.0 | 33 10.0 | 123 13.0 | HO | 57 04 12 | 0416 | 136 | 470 | 2.89 | 50.0 | 20 | 10 |
| 82.0 | 47.0 | 34 15.0 | 119 58.0 | HO | 57 04 13 | 0736 | 135 | 501 | 2.70 | 100.0 | 169 | 315 |
| 83.0 | 40.0 | 34 14.0 | 119 22.0 | HO | 57 04 13 | 1201 | 13 | 66 | 1.97 | 25.0 | 33 | 1184 |
| 83.0 | 43.0 | 34 08.0 | 119 35.5 | HO | 57 04 13 | 1041 | 101 | 612 | 1.65 | 25.0 | 36 | 43 |
| 83.0 | 51.0 | 33 52.0 | 120 08.5 | HO | 57 04 13 | 0251 | 127 | 527 | 2.41 | 50.0 | 147 | 10 |
| 83.0 | 60.0 | 33 34.0 | 120 45.0 | HO | 57 04 12 | 2251 | 107 | 573 | 1.86 | 25.0 | 51 | 66 |
| 83.0 | 70.0 | 33 12.4 | 121 27.5 | HO | 57 04 12 | 1721 | 124 | 501 | 2.47 | 50.0 | 8 | 22 |
| 83.0 | 80.0 | 32 59.8 | 122 07.0 | HO | 57 04 12 | 1306 | 122 | 561 | 2.18 | 100.0 | 23 | 8 |
| 83.0 | 90.0 | 32 37.8 | 122 47.4 | HO | 57 04 12 | 0826 | 120 | 512 | 2.35 | 100.0 | 17 | 240 |
| 86.0 | 46.0 | 33 36.5 | 119 29.0 | HO | 57 04 13 | 2321 | 127 | 515 | 2.46 | 50.0 | 255 | 148 |
| 87.0 | 36.0 | 33 48.0 | 118 41.7 | HO | 57 04 13 | 1640 | 112 | 539 | 2.07 | 50.0 | 387 | 231 |
| 87.0 | 40.0 | 33 40.0 | 118 58.5 | HO | 57 04 13 | 1940 | 118 | 485 | 2.43 | 25.0 | 118 | 164 |
| 87.0 | 50.0 | 33 20.0 | 119 40.0 | HO | 57 04 14 | 0143 | 67 | 196 | 3.44 | 12.5 | 184 | 73 |
| 87.0 | 60.0 | 33 00.0 | 120 21.0 | HO | 57 04 14 | 0636 | 130 | 435 | 2.98 | 25.0 | 7 | 23 |
| 87.0 | 70.0 | 32 35.8 | 120 59.0 | HO | 57 04 14 | 1115 | 126 | 444 | 2.84 | 25.0 | 40 | 54 |
| 87.0 | 80.0 | 32 19.5 | 121 45.2 | HO | 57 04 14 | 1556 | 139 | 435 | 3.19 | 25.0 | 3 | 11 |
| 87.0 | 90.0 | 31 59.0 | 122 27.0 | HO | 57 04 14 | 1946 | 123 | 489 | 2.52 | 25.0 | 23 | 15 |
| 90.0 | 28.0 | 33 27.7 | 117 46.4 | HO | 57 04 17 | 1211 | 122 | 514 | 2.37 | 50.0 | 714 | 2814 |
| 90.0 | 30.0 | 33 24.5 | 117 55.0 | HO | 57 04 17 | 1114 | 109 | 557 | 1.96 | 25.0 | 110 | 254 |
| 90.0 | 37.0 | 33 11.2 | 118 23.2 | HO | 57 04 16 | 0651 | 138 | 446 | 3.10 | 25.0 | 105 | 2546 |
| 90.0 | 45.0 | 32 54.5 | 118 56.0 | HO | 57 04 16 | 0100 | 143 | 434 | 3.29 | 25.0 | 174 | 157 |
| 90.0 | 55.0 | 32 32.4 | 119 35.5 | HO | 57 04 15 | 1945 | 142 | 420 | 3.39 | 25.0 | 153 | 170 |
| 90.0 | 60.0 | 32 22.7 | 120 00.0 | HO | 57 04 15 | 1641 | 135 | 462 | 2.93 | 100.0 | 62 | 1403 |
| 90.0 | 70.0 | 32 03.5 | 120 40.0 | HO | 57 04 15 | 1121 | 135 | 465 | 2.90 | 50.0 | 84 | 54 |
| 90.0 | 80.0 | 31 45.5 | 121 25.5 | HO | 57 04 15 | 0540 | 136 | 440 | 3.10 | 25.0 | 27 | 141 |
| 90.0 | 90.0 | 31 25.5 | 122 03.0 | HO | 57 04 15 | 0101 | 148 | 448 | 3.31 | 50.0 | 162 | 285 |
| 93.0 | 27.0 | 32 56.0 | 117 19.2 | HO | 57 04 18 | 1436 | 89 | 282 | 3.14 | 50.0 | 193 | 225 |
| 93.0 | 30.0 | 32 49.0 | 117 32.5 | HO | 57 04 18 | 1721 | 150 | 439 | 3.41 | 25.0 | 129 | 282 |
| 93.0 | 35.0 | 32 44.0 | 117 43.6 | HO | 57 04 18 | 1856 | 147 | 400 | 3.67 | 100.0 | 238 | 1574 |
| 93.0 | 40.0 | 32 30.0 | 118 12.5 | HO | 57 04 19 | 0001 | 123 | 492 | 2.50 | 12.5 | 106 | 610 |
| 93.0 | 45.0 | 32 20.0 | 118 33.0 | HO | 57 04 19 | 0256 | 139 | 449 | 3.09 | 25.0 | 239 | 59 |
| 93.0 | 50.0 | 32 07.0 | 118 55.0 | HO | 57 04 19 | 0641 | 149 | 400 | 3.73 | 25.0 | 136 | 176 |
| 93.0 | 55.0 | 31 55.0 | 119 18.0 | HO | 57 04 19 | 0901 | 121 | 503 | 2.40 | 50.0 | 241 | 59 |
| 93.0 | 60.0 | 31 43.2 | 119 40.0 | HO | 57 04 19 | 1301 | 135 | 473 | 2.85 | 25.0 | 37 | 247 |
| 93.0 | 70.0 | 31 29.0 | 120 14.0 | HO | 57 04 19 | 1726 | 132 | 482 | 2.74 | 50.0 | 0 | 236 |
| 93.0 | 80.0 | 30 49.5 | 121 32.0 | HO | 57 04 20 | 0221 | 110 | 690 | 1.59 | 25.0 | 20 | 20 |
| 97.0 | 30.0 | 32 15.2 | 117 08.7 | HO | 57 04 21 | 1729 | 36 | 234 | 1.53 | 50.0 | 172 | 344 |
| 97.0 | 32.0 | 32 11.5 | 117 16.2 | HO | 57 04 21 | 1526 | 125 | 442 | 2.83 | 50.0 | 111 | 984 |
| 97.0 | 40.0 | 31 59.0 | 117 47.0 | HO | 57 04 21 | 1126 | 129 | 427 | 3.01 | 50.0 | 7 | 8 |
| 97.0 | 45.0 | 31 47.0 | 118 10.0 | HO | 57 04 21 | 0916 | 133 | 434 | 3.07 | 50.0 | 29 | 113 |

TABLE 1. (cont.)

CalCOFI Cruise 5704

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 97.0 | 60.0 | 31 14.0 | 119 08.0 | HO | 57 04 20 | 2315 | 101 | 633 | 1.60 | 12.5 | 48 | 258 |
| 97.0 | 70.0 | 30 53.0 | 119 49.0 | HO | 57 04 20 | 1720 | 132 | 467 | 2.84 | 100.0 | 30 | 53 |
| 97.0 | 80.0 | 30 37.5 | 120 31.0 | HO | 57 04 20 | 1056 | 123 | 524 | 2.35 | 25.0 | 3 | 13 |
| 97.0 | 90.0 | 30 17.0 | 121 08.0 | HO | 57 04 20 | 0720 | 146 | 381 | 3.83 | 50.0 | 29 | 65 |
| 100.0 | 29.0 | 31 41.4 | 116 43.5 | HO | 57 04 21 | 2122 | 113 | 430 | 2.62 | 50.0 | 92 | 76 |
| 100.0 | 33.0 | 31 35.5 | 116 56.5 | HO | 57 04 21 | 2344 | 117 | 449 | 2.61 | 50.0 | 124 | 153 |
| 100.0 | 40.0 | 31 23.0 | 117 29.0 | HO | 57 04 23 | 1011 | 131 | 536 | 2.45 | 50.0 | 56 | 203 |
| 100.0 | 45.0 | 31 11.0 | 117 48.0 | HO | 57 04 23 | 1311 | 147 | 466 | 3.15 | 100.0 | 27 | 25 |
| 100.0 | 50.0 | 30 59.0 | 118 11.0 | HO | 57 04 23 | 1536 | 144 | 460 | 3.14 | 100.0 | 4 | 10 |
| 100.0 | 55.0 | 30 50.0 | 118 27.0 | HO | 57 04 23 | 1811 | 152 | 443 | 3.44 | 100.0 | 16 | 72 |
| 100.0 | 60.0 | 30 44.0 | 118 47.5 | HO | 57 04 23 | 2051 | 127 | 525 | 2.42 | 50.0 | 70 | 26 |
| 100.0 | 70.0 | 30 26.0 | 119 27.0 | HO | 57 04 24 | 0146 | 110 | 626 | 1.76 | 100.0 | 305 | 258 |
| 100.0 | 80.0 | 30 08.0 | 120 09.0 | HO | 57 04 24 | 0720 | 151 | 443 | 3.41 | 100.0 | 31 | 277 |
| 100.0 | 90.0 | 29 50.0 | 120 50.0 | HO | 57 04 24 | 1126 | 133 | 500 | 2.66 | 50.0 | 11 | 535 |
| 103.0 | 30.0 | 31 05.8 | 116 43.0 | HO | 57 04 26 | 0054 | 36 | 248 | 1.43 | 100.0 | 469 | 146 |
| 103.0 | 35.0 | 30 54.7 | 116 26.3 | HO | 57 04 25 | 2251 | 132 | 497 | 2.65 | 100.0 | 48 | 56 |
| 103.0 | 40.0 | 30 42.0 | 117 00.4 | HO | 57 04 25 | 1940 | 142 | 504 | 2.82 | 100.0 | 15 | 43 |
| 103.0 | 45.0 | 30 35.0 | 117 21.0 | HO | 57 04 25 | 1640 | 142 | 461 | 3.08 | 100.0 | 20 | 83 |
| 103.0 | 50.0 | 30 25.5 | 117 44.0 | HO | 57 04 25 | 1416 | 132 | 494 | 2.80 | 100.0 | 11 | 20 |
| 103.0 | 55.0 | 30 08.0 | 118 08.0 | HO | 57 04 25 | 1004 | 138 | 492 | 3.41 | 100.0 | 29 | 51 |
| 103.0 | 60.0 | 30 01.0 | 118 22.0 | HO | 57 04 25 | 0716 | 152 | 446 | 3.20 | 100.0 | 78 | 105 |
| 103.0 | 70.0 | 29 45.0 | 119 02.0 | HO | 57 04 25 | 0216 | 150 | 468 | 3.01 | 100.0 | 368 | 132 |
| 103.0 | 80.0 | 29 26.5 | 119 45.5 | HO | 57 04 24 | 2106 | 143 | 475 | 3.13 | 100.0 | 208 | 95 |
| 103.0 | 90.0 | 29 06.0 | 120 25.0 | HO | 57 04 24 | 1636 | 142 | 455 | 3.13 | 100.0 | 51 | 80 |
| 107.0 | 32.0 | 30 25.8 | 116 11.0 | HO | 57 04 26 | 0506 | 136 | 427 | 3.19 | 50.0 | 40 | 22 |
| 107.0 | 35.0 | 30 20.0 | 116 23.0 | HO | 57 04 26 | 0736 | 141 | 433 | 3.25 | 100.0 | 166 | 310 |
| 107.0 | 40.0 | 30 10.5 | 116 43.5 | HO | 57 04 26 | 1046 | 147 | 443 | 3.33 | 100.0 | 64 | 106 |
| 107.0 | 45.0 | 29 59.5 | 117 04.2 | HO | 57 04 26 | 1306 | 140 | 494 | 2.84 | 100.0 | 62 | 156 |
| 107.0 | 50.0 | 29 49.8 | 117 25.3 | HO | 57 04 26 | 1615 | 153 | 448 | 3.42 | 100.0 | 0 | 21 |
| 107.0 | 55.0 | 29 40.5 | 117 46.2 | HO | 57 04 26 | 1835 | 144 | 452 | 3.18 | 100.0 | 72 | 116 |
| 107.0 | 60.0 | 29 33.0 | 118 02.0 | HO | 57 04 26 | 2110 | 149 | 426 | 3.50 | 100.0 | 203 | 43 |
| 107.0 | 70.0 | 29 14.0 | 118 42.0 | HO | 57 04 27 | 0151 | 119 | 547 | 2.17 | 100.0 | 108 | 43 |
| 107.0 | 80.0 | 28 54.0 | 119 23.0 | HO | 57 04 27 | 0631 | 144 | 432 | 3.32 | 100.0 | 5 | 22 |
| 107.0 | 90.0 | 28 36.0 | 120 00.0 | HO | 57 04 27 | 1026 | 137 | 488 | 2.80 | 100.0 | 11 | 6 |
| 110.0 | 33.0 | 29 44.7 | 115 51.8 | HO | 57 04 28 | 2315 | 65 | 243 | 2.68 | 12.5 | 5 | 0 |
| 110.0 | 40.0 | 29 36.5 | 115 57.3 | HO | 57 04 28 | 2220 | 144 | 457 | 3.14 | 50.0 | 38 | 9 |
| 110.0 | 45.0 | 29 26.0 | 116 19.6 | HO | 57 04 28 | 1921 | 146 | 414 | 3.53 | 50.0 | 76 | 58 |
| 110.0 | 50.0 | 29 05.5 | 116 37.0 | HO | 57 04 28 | 1611 | 138 | 462 | 2.99 | 100.0 | 34 | 94 |
| 110.0 | 55.0 | 28 58.0 | 117 01.0 | HO | 57 04 28 | 1256 | 136 | 473 | 2.86 | 100.0 | 8 | 32 |
| 110.0 | 60.0 | 28 52.0 | 117 43.0 | HO | 57 04 28 | 0936 | 136 | 459 | 2.96 | 100.0 | 7 | 14 |
| 110.0 | 70.0 | 28 35.5 | 118 20.0 | HO | 57 04 28 | 0151 | 145 | 440 | 3.30 | 100.0 | 22 | 14 |
| 110.0 | 80.0 | 28 17.0 | 118 57.5 | HO | 57 04 27 | 2110 | 149 | 445 | 3.34 | 100.0 | 171 | 79 |
| 110.0 | 90.0 | 27 57.0 | 119 37.0 | HO | 57 04 27 | 1556 | 145 | 433 | 3.35 | 100.0 | 75 | 98 |
| 113.0 | 30.0 | 29 21.5 | 115 18.2 | HO | 57 04 29 | 0326 | 39 | 228 | 1.72 | 100.0 | 23 | 291 |
| | | | | | | | | | | | 162 | 6 |

TABLE 1. (cont.)

CalCOFI Cruise 5704

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 113.0 | 35.0 | 29 12.0 | 115 39.0 | HO | 57 04 29 | 0621 | 152 | 385 | 3.95 | 100.0 | 23 | 47 |
| 113.0 | 40.0 | 29 02.3 | 115 58.5 | HO | 57 04 29 | 0911 | 136 | 451 | 3.02 | 100.0 | 11 | 27 |
| 113.0 | 45.0 | 28 52.0 | 116 17.8 | HO | 57 04 29 | 1116 | 136 | 483 | 2.83 | 100.0 | 8 | 48 |
| 113.0 | 50.0 | 28 43.0 | 116 37.0 | HO | 57 04 29 | 1406 | 117 | 560 | 2.09 | 100.0 | 9 | 12 |
| 113.0 | 55.0 | 28 33.0 | 116 57.0 | HO | 57 04 29 | 1611 | 144 | 455 | 3.18 | 100.0 | 15 | 231 |
| 113.0 | 60.0 | 28 25.0 | 117 15.0 | HO | 57 04 29 | 1906 | 150 | 423 | 3.55 | 100.0 | 48 | 177 |
| 113.0 | 70.0 | 28 07.0 | 117 57.5 | HO | 57 04 29 | 1551 | 126 | 500 | 2.53 | 100.0 | 5 | 145 |
| 113.0 | 80.0 | 27 47.0 | 118 35.5 | HO | 57 04 29 | 1136 | 127 | 432 | 2.93 | 100.0 | 15 | 0 |
| 117.0 | 26.0 | 28 55.0 | 114 43.0 | ST | 57 04 28 | 0033 | 55 | 194 | 2.83 | 100.0 | 28 | 215 |
| 117.0 | 30.0 | 28 48.5 | 114 57.6 | ST | 57 04 28 | 0203 | 78 | 203 | 3.84 | 100.0 | 42 | 588 |
| 117.0 | 35.0 | 28 37.0 | 115 16.0 | ST | 57 04 28 | 0421 | 101 | 535 | 1.89 | 50.0 | 6 | 9 |
| 117.0 | 40.0 | 28 28.2 | 115 38.0 | ST | 57 04 28 | 1021 | 129 | 498 | 2.60 | 25.0 | 4 | 15 |
| 117.0 | 45.0 | 28 18.0 | 115 56.2 | ST | 57 04 28 | 1236 | 138 | 485 | 2.85 | 100.0 | 1 | 11 |
| 117.0 | 50.0 | 28 08.0 | 116 14.0 | ST | 57 04 28 | 1556 | 128 | 471 | 2.71 | 25.0 | 1 | 9 |
| 117.0 | 55.0 | 27 57.0 | 116 34.8 | ST | 57 04 28 | 1811 | 138 | 443 | 3.11 | 12.5 | 0 | 4 |
| 117.0 | 60.0 | 27 46.8 | 116 55.0 | ST | 57 04 28 | 2126 | 130 | 493 | 2.63 | 50.0 | 10 | 169 |
| 117.0 | 70.0 | 27 26.5 | 117 36.5 | ST | 57 04 29 | 0236 | 123 | 460 | 2.67 | 100.0 | 17 | 142 |
| 117.0 | 80.0 | 27 07.0 | 118 12.5 | ST | 57 04 29 | 0636 | 117 | 482 | 2.42 | 100.0 | 41 | 676 |
| 118.0 | 39.0 | 28 16.8 | 115 25.2 | ST | 57 04 28 | 0726 | 114 | 530 | 2.15 | 100.0 | 24 | 82 |
| 119.0 | 33.0 | 28 18.8 | 114 53.0 | ST | 57 04 27 | 1243 | 80 | 258 | 3.08 | 25.0 | 1 | 39 |
| 120.0 | 25.0 | 28 23.0 | 114 15.0 | ST | 57 04 27 | 2014 | 20 | 83 | 2.45 | 100.0 | 40 | 181 |
| 120.0 | 30.0 | 28 12.1 | 114 32.0 | ST | 57 04 27 | 1753 | 54 | 253 | 2.14 | 100.0 | 11 | 324 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | ST | 57 04 27 | 1433 | 49 | 259 | 1.90 | 25.0 | 15 | 142 |
| 120.0 | 50.0 | 27 33.8 | 115 51.0 | ST | 57 04 26 | 2106 | 128 | 442 | 2.89 | 12.5 | 4 | 4 |
| 120.0 | 55.0 | 27 25.0 | 116 12.0 | ST | 57 04 26 | 1756 | 119 | 449 | 2.65 | 12.5 | 3 | 12 |
| 120.0 | 60.0 | 27 17.0 | 116 32.0 | ST | 57 04 26 | 1441 | 142 | 426 | 3.35 | 100.0 | 0 | 0 |
| 120.0 | 70.0 | 27 01.0 | 117 06.4 | ST | 57 04 26 | 1026 | 126 | 515 | 2.45 | 100.0 | 74 | 161 |
| 120.0 | 80.0 | 26 38.2 | 117 44.0 | ST | 57 04 26 | 0526 | 131 | 430 | 3.05 | 100.0 | 16 | 57 |
| 123.0 | 37.0 | 27 23.5 | 114 40.5 | ST | 57 04 25 | 0144 | 44 | 148 | 2.97 | 50.0 | 0 | 0 |
| 123.0 | 42.0 | 27 14.0 | 115 00.5 | ST | 57 04 25 | 0441 | 126 | 437 | 2.88 | 50.0 | 8 | 130 |
| 123.0 | 50.0 | 26 57.5 | 115 32.2 | ST | 57 04 25 | 0836 | 118 | 474 | 2.49 | 12.5 | 1 | 6 |
| 123.0 | 55.0 | 26 49.0 | 115 49.0 | ST | 57 04 25 | 1046 | 128 | 493 | 2.59 | 100.0 | 5 | 219 |
| 123.0 | 60.0 | 26 39.2 | 116 09.0 | ST | 57 04 25 | 1911 | 138 | 454 | 3.05 | 100.0 | 17 | 419 |
| 123.0 | 70.0 | 26 19.0 | 116 47.0 | ST | 57 04 25 | 1911 | 123 | 593 | 2.07 | 100.0 | 50 | 130 |
| 123.0 | 80.0 | 25 58.5 | 117 26.0 | ST | 57 04 26 | 0011 | 123 | 499 | 2.46 | 100.0 | 73 | 134 |
| 127.0 | 34.0 | 26 55.0 | 114 06.0 | ST | 57 04 24 | 2038 | 58 | 357 | 1.63 | 100.0 | 25 | 166 |
| 127.0 | 40.0 | 26 40.5 | 114 29.0 | ST | 57 04 24 | 1731 | 131 | 481 | 2.73 | 100.0 | 0 | 0 |
| 127.0 | 45.0 | 26 31.5 | 114 48.0 | ST | 57 04 24 | 1416 | 133 | 439 | 3.04 | 100.0 | 16 | 128 |
| 127.0 | 50.0 | 26 22.5 | 115 08.0 | ST | 57 04 24 | 1206 | 131 | 497 | 2.64 | 25.0 | 6 | 83 |
| 127.0 | 55.0 | 26 12.4 | 115 27.1 | ST | 57 04 24 | 0831 | 137 | 459 | 2.98 | 100.0 | 128 | 71 |
| 127.0 | 60.0 | 26 03.5 | 115 46.0 | ST | 57 04 24 | 0611 | 137 | 456 | 3.01 | 100.0 | 39 | 298 |
| 127.0 | 70.0 | 25 44.0 | 116 25.0 | ST | 57 04 24 | 0036 | 137 | 450 | 3.05 | 50.0 | 12 | 406 |
| 127.0 | 80.0 | 25 25.0 | 117 02.0 | ST | 57 04 23 | 1956 | 129 | 470 | 2.74 | 100.0 | 7 | 445 |
| 130.0 | 30.0 | 26 29.5 | 113 28.2 | ST | 57 04 22 | 1139 | 33 | 190 | 1.74 | 100.0 | 3 | 4 |
| 130.0 | 35.0 | 26 19.0 | 113 47.0 | ST | 57 04 22 | 1421 | 109 | 521 | 2.10 | 50.0 | 34 | 163 |

TABLE 1. (cont.)

CalCOFI Cruise 5704

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 130.0 | 40.0 | 26 07.0 | 114 08.0 | ST | 57 04 22 | 1756 | 129 | 457 | 2.83 | 50.0 | 3 | 61 |
| 130.0 | 50.0 | 25 46.0 | 114 47.5 | ST | 57 04 22 | 2341 | 130 | 424 | 3.06 | 100.0 | 31 | 82 |
| 130.0 | 55.0 | 25 35.0 | 115 10.0 | ST | 57 04 23 | 0201 | 143 | 436 | 3.28 | 50.0 | 50 | 188 |
| 130.0 | 60.0 | 25 25.0 | 115 30.0 | ST | 57 04 23 | 0526 | 136 | 444 | 3.07 | 100.0 | 14 | 43 |
| 130.0 | 70.0 | 25 07.0 | 116 04.2 | ST | 57 04 23 | 0951 | 120 | 479 | 2.51 | 100.0 | 10 | 797 |
| 130.0 | 80.0 | 24 49.0 | 116 39.0 | ST | 57 04 23 | 1426 | 129 | 450 | 2.87 | 100.0 | 6 | 317 |
| 133.0 | 25.0 | 26 04.0 | 112 49.0 | ST | 57 04 21 | 1333 | 62 | 248 | 2.52 | 100.0 | 1 | 18 |
| 133.0 | 30.0 | 25 52.3 | 113 07.5 | ST | 57 04 21 | 1116 | 117 | 484 | 2.42 | 12.5 | 2 | 13 |
| 133.0 | 35.0 | 25 43.0 | 113 28.0 | ST | 57 04 21 | 0806 | 136 | 456 | 2.98 | 100.0 | 105 | 240 |
| 133.0 | 40.0 | 25 38.0 | 113 40.0 | ST | 57 04 21 | 0626 | 135 | 456 | 2.97 | 50.0 | 44 | 86 |
| 133.0 | 45.0 | 25 27.0 | 114 01.0 | ST | 57 04 21 | 0311 | 130 | 467 | 2.78 | 100.0 | 50 | 94 |
| 133.0 | 50.0 | 25 15.2 | 114 22.0 | ST | 57 04 21 | 0056 | 141 | 444 | 3.17 | 100.0 | 49 | 14 |
| 133.0 | 55.0 | 25 03.8 | 114 42.5 | ST | 57 04 20 | 1826 | 125 | 433 | 2.89 | 50.0 | 16 | 81 |
| 133.0 | 60.0 | 24 51.0 | 115 05.0 | ST | 57 04 20 | 2106 | 109 | 498 | 2.19 | 50.0 | 10 | 78 |
| 133.0 | 70.0 | 24 40.5 | 115 38.0 | ST | 57 04 20 | 1316 | 130 | 448 | 2.90 | 100.0 | 8 | 192 |
| 133.0 | 80.0 | 24 11.0 | 116 30.0 | ST | 57 04 20 | 0711 | 120 | 558 | 2.15 | 100.0 | 18 | 45 |
| 137.0 | 23.0 | 25 33.0 | 112 19.5 | ST | 57 04 18 | 2039 | 35 | 214 | 1.65 | 25.0 | 8 | 10 |
| 137.0 | 30.0 | 25 19.0 | 112 48.0 | ST | 57 04 19 | 0023 | 74 | 224 | 3.30 | 100.0 | 5 | 21 |
| 137.0 | 40.0 | 24 57.5 | 113 29.0 | ST | 57 04 19 | 0551 | 116 | 448 | 2.38 | 25.0 | 14 | 24 |
| 137.0 | 45.0 | 24 46.4 | 113 49.0 | ST | 57 04 19 | 0736 | 118 | 493 | 2.39 | 50.0 | 13 | 49 |
| 137.0 | 50.0 | 24 40.0 | 114 02.0 | ST | 57 04 19 | 1016 | 133 | 455 | 2.93 | 100.0 | 15 | 59 |
| 137.0 | 55.0 | 24 30.0 | 114 21.0 | ST | 57 04 19 | 1226 | 135 | 466 | 2.89 | 100.0 | 10 | 726 |
| 137.0 | 60.0 | 24 19.0 | 114 42.0 | ST | 57 04 19 | 1622 | 134 | 483 | 2.77 | 100.0 | 1 | 216 |
| 137.0 | 70.0 | 23 59.0 | 115 21.5 | ST | 57 04 19 | 2116 | 130 | 415 | 3.14 | 100.0 | 56 | 312 |
| 137.0 | 80.0 | 23 39.0 | 116 00.5 | ST | 57 04 20 | 0201 | 146 | 456 | 3.20 | 100.0 | 24 | 74 |
| 140.0 | 30.0 | 24 45.0 | 112 24.5 | ST | 57 04 18 | 1449 | 67 | 287 | 2.35 | 100.0 | 1 | 54 |
| 140.0 | 35.0 | 24 37.0 | 112 47.0 | ST | 57 04 18 | 1211 | 127 | 502 | 2.53 | 100.0 | 3 | 9 |
| 140.0 | 40.0 | 24 27.0 | 113 04.0 | ST | 57 04 18 | 0911 | 115 | 564 | 2.04 | 50.0 | 46 | 15 |
| 140.0 | 45.0 | 24 17.0 | 113 22.0 | ST | 57 04 18 | 0526 | 125 | 547 | 2.28 | 100.0 | 44 | 514 |
| 140.0 | 50.0 | 24 07.5 | 113 40.5 | ST | 57 04 18 | 0301 | 114 | 453 | 2.51 | 50.0 | 24 | 26 |
| 140.0 | 55.0 | 23 57.5 | 113 59.0 | ST | 57 04 17 | 2256 | 124 | 486 | 2.56 | 100.0 | 11 | 561 |
| 140.0 | 60.0 | 23 48.0 | 114 18.5 | ST | 57 04 17 | 2031 | 128 | 428 | 2.99 | 100.0 | 20 | 844 |
| 140.0 | 70.0 | 23 26.0 | 114 55.0 | ST | 57 04 17 | 1456 | 142 | 495 | 2.86 | 50.0 | 12 | 206 |
| 140.0 | 80.0 | 23 04.0 | 115 33.8 | ST | 57 04 17 | 0906 | 113 | 456 | 2.48 | 100.0 | 15 | 264 |
| 143.0 | 26.0 | 24 24.0 | 111 48.1 | ST | 57 04 15 | 0418 | 66 | 254 | 2.61 | 100.0 | 3 | 0 |
| 143.0 | 30.0 | 24 11.0 | 112 03.2 | ST | 57 04 15 | 0626 | 131 | 531 | 2.48 | 100.0 | 7 | 3 |
| 143.0 | 35.0 | 24 00.5 | 112 21.8 | ST | 57 04 15 | 0901 | 127 | 503 | 2.52 | 100.0 | 23 | 45 |
| 143.0 | 40.0 | 23 50.8 | 112 41.2 | ST | 57 04 15 | 1141 | 131 | 459 | 2.86 | 100.0 | 30 | 11 |
| 147.0 | 20.0 | 23 56.0 | 111 03.5 | ST | 57 04 14 | 1937 | 105 | 352 | 2.99 | 100.0 | 3 | 3 |
| 147.0 | 25.0 | 23 45.5 | 111 22.8 | ST | 57 04 14 | 2321 | 108 | 376 | 2.88 | 100.0 | 6 | 2 |
| 147.0 | 30.0 | 23 34.0 | 111 42.0 | ST | 57 04 15 | 1756 | 134 | 448 | 2.98 | 100.0 | 6 | 8 |
| 147.0 | 35.0 | 23 23.0 | 112 02.0 | ST | 57 04 15 | 2126 | 136 | 477 | 2.85 | 50.0 | 4 | 56 |
| 147.0 | 40.0 | 23 12.0 | 112 22.0 | ST | 57 04 16 | 0051 | 124 | 505 | 2.46 | 100.0 | 76 | 21 |
| 147.0 | 45.0 | 23 01.0 | 112 41.0 | ST | 57 04 16 | 0311 | 141 | 544 | 2.59 | 100.0 | 18 | 64 |
| 147.0 | 50.0 | 22 48.0 | 113 03.0 | ST | 57 04 16 | 0641 | 144 | 476 | 3.02 | 100.0 | 2 | 54 |

TABLE 1. (cont.)

CalCOFI Cruise 5704

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 147.0 | 55.0 | 22 44.5 | 113 18.0 | ST | 57 04 16 | 0826 | 145 | 424 | 3.41 | 100.0 | 9 | 85 |
| 147.0 | 60.0 | 22 38.0 | 113 33.0 | ST | 57 04 16 | 1056 | 119 | 491 | 2.41 | 100.0 | 3 | 122 |
| 147.0 | 70.0 | 22 17.0 | 114 12.0 | ST | 57 04 16 | 1646 | 132 | 470 | 2.80 | 100.0 | 7 | 199 |
| 147.0 | 80.0 | 21 54.0 | 114 49.0 | ST | 57 04 16 | 2211 | 136 | 472 | 2.89 | 100.0 | 9 | 49 |
| 150.0 | 16.0 | 23 30.0 | 110 27.5 | BD | 57 04 05 | 1316 | 141 | 488 | 2.89 | 100.0 | 1 | 26 |
| 150.0 | 20.0 | 23 22.0 | 110 43.0 | BD | 57 04 05 | 1511 | 147 | 496 | 2.97 | 100.0 | 5 | 6 |
| 150.0 | 25.0 | 23 12.0 | 111 01.5 | BD | 57 04 05 | 1811 | 143 | 533 | 2.69 | 50.0 | 0 | 3 |
| 150.0 | 30.0 | 23 02.0 | 111 20.0 | BD | 57 04 05 | 2048 | 135 | 471 | 2.87 | 12.5 | 0 | 14 |
| 150.0 | 35.0 | 22 52.0 | 111 38.7 | BD | 57 04 05 | 2334 | 138 | 498 | 2.77 | 50.0 | 4 | 8 |
| 150.0 | 40.0 | 22 42.0 | 111 57.5 | BD | 57 04 06 | 0216 | 143 | 442 | 3.24 | 50.0 | 399 | 62 |
| 153.0 | 16.0 | 22 54.0 | 110 07.0 | ST | 57 04 14 | 1126 | 126 | 512 | 2.47 | 100.0 | 2 | 38 |
| 153.0 | 20.0 | 22 45.0 | 110 23.0 | ST | 57 04 14 | 0836 | 136 | 412 | 3.31 | 100.0 | 62 | 384 |
| 153.0 | 25.0 | 22 35.5 | 110 42.0 | ST | 57 04 14 | 0456 | 131 | 605 | 2.17 | 100.0 | 25 | 81 |
| 153.0 | 30.0 | 22 25.5 | 111 01.0 | ST | 57 04 14 | 0231 | 149 | 480 | 3.11 | 100.0 | 98 | 322 |
| 153.0 | 35.0 | 22 15.6 | 111 20.0 | ST | 57 04 13 | 2301 | 113 | 471 | 2.40 | 100.0 | 62 | 204 |
| 153.0 | 40.0 | 22 06.0 | 111 40.0 | ST | 57 04 13 | 2021 | 115 | 596 | 1.92 | 100.0 | 19 | 217 |
| 153.0 | 45.0 | 21 56.0 | 111 57.0 | ST | 57 04 13 | 1641 | 134 | 491 | 2.72 | 100.0 | 6 | 214 |
| 153.0 | 50.0 | 21 46.0 | 112 12.7 | ST | 57 04 13 | 1441 | 132 | 443 | 2.99 | 100.0 | 12 | 687 |
| 153.0 | 55.0 | 21 31.0 | 112 35.0 | ST | 57 04 13 | 1046 | 125 | 493 | 2.53 | 100.0 | 4 | 58 |
| 153.0 | 60.0 | 21 23.0 | 112 46.0 | ST | 57 04 13 | 0856 | 115 | 536 | 2.15 | 100.0 | 9 | 507 |
| 157.0 | 15.0 | 22 20.0 | 109 43.0 | BD | 57 04 07 | 0001 | 138 | 494 | 2.79 | 100.0 | 94 | 128 |
| 157.0 | 20.0 | 22 11.5 | 110 01.0 | BD | 57 04 06 | 2116 | 138 | 504 | 2.74 | 100.0 | 111 | 0 |
| 157.0 | 25.0 | 22 03.0 | 110 19.0 | BD | 57 04 06 | 1841 | 142 | 495 | 2.86 | 100.0 | 4 | 267 |
| 157.0 | 30.0 | 21 52.5 | 110 37.5 | BD | 57 04 06 | 1616 | 138 | 506 | 2.72 | 100.0 | 10 | 16 |
| 157.0 | 35.0 | 21 42.5 | 110 56.0 | BD | 57 04 06 | 1346 | 139 | 517 | 2.69 | 100.0 | 26 | 39 |
| 157.0 | 40.0 | 21 32.5 | 111 14.5 | BD | 57 04 06 | 1106 | 137 | 490 | 2.80 | 100.0 | 20 | 54 |

TABLE 1. (cont.)

CalCOFI Cruise 5705

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|-----------------------|------------------------|--------------|--------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 60.0 | 50.0 | 37 57.5 | 122 53.2 | BD | 57 05 16 | 1004 | 35 | 76 | 4.59 | 50.0 | 2 | 7 |
| 60.0 | 55.0 | 37 47.5 | 123 15.0 | BD | 57 05 16 | 1307 | 105 | 218 | 4.85 | 100.0 | 33 | 16 |
| 60.0 | 60.0 | 37 37.0 | 123 37.0 | BD | 57 05 16 | 1551 | 141 | 299 | 4.73 | 100.0 | 24 | 122 |
| 60.0 | 70.0 | 37 17.0 | 124 21.0 | BD | 57 05 16 | 2106 | 138 | 306 | 4.52 | 100.0 | 47 | 154 |
| 60.0 | 80.0 | 36 57.0 | 125 04.0 | BD | 57 05 17 | 0221 | 139 | 332 | 4.18 | 50.0 | 19 | 54 |
| 60.0 | 90.0 | 36 37.0 | 125 47.0 | BD | 57 05 17 | 0747 | 144 | 330 | 4.35 | 100.0 | 2 | 14 |
| 63.0 | 52.0 | 37 19.0 | 122 36.2 | BD | 57 05 16 | 0418 | 70 | 161 | 4.36 | 100.0 | 21 | 99 |
| 63.0 | 55.0 | 37 11.2 | 122 49.7 | BD | 57 05 16 | 0156 | 149 | 353 | 4.23 | 50.0 | 17 | 31 |
| 63.0 | 60.0 | 37 02.5 | 123 11.7 | BD | 57 05 15 | 2201 | 135 | 407 | 3.32 | 50.0 | 25 | 53 |
| 63.0 | 70.0 | 36 42.5 | 123 55.5 | BD | 57 05 15 | 1616 | 138 | 383 | 3.61 | 100.0 | 5 | 18 |
| 63.0 | 80.0 | 36 22.5 | 124 38.5 | BD | 57 05 15 | 1121 | 143 | 369 | 3.87 | 100.0 | 3 | 10 |
| 67.0 | 50.0 | 36 49.0 | 122 04.6 | BD | 57 05 14 | 1252 | 85 | 297 | 2.87 | 100.0 | 8 | 17 |
| 67.0 | 55.0 | 36 39.0 | 122 26.0 | BD | 57 05 14 | 1531 | 139 | 403 | 3.44 | 50.0 | 3 | 50 |
| 67.0 | 60.0 | 36 29.0 | 122 47.5 | BD | 57 05 14 | 1836 | 134 | 382 | 3.52 | 100.0 | 34 | 259 |
| 67.0 | 70.0 | 36 09.0 | 123 31.7 | BD | 57 05 15 | 0001 | 145 | 351 | 4.12 | 100.0 | 21 | 43 |
| 67.0 | 80.0 | 35 49.3 | 124 13.7 | BD | 57 05 15 | 0551 | 144 | 360 | 4.00 | 100.0 | 4 | 3 |
| 70.0 | 52.0 | 36 08.5 | 121 49.8 | BD | 57 05 14 | 0742 | 138 | 393 | 3.52 | 50.0 | 34 | 126 |
| 70.0 | 55.0 | 36 03.0 | 122 02.0 | BD | 57 05 14 | 0507 | 139 | 320 | 4.33 | 12.5 | 6 | 105 |
| 70.0 | 60.0 | 35 53.0 | 122 23.0 | BD | 57 05 14 | 0227 | 138 | 321 | 4.30 | 50.0 | 26 | 275 |
| 70.0 | 70.0 | 35 33.0 | 123 06.0 | BD | 57 05 13 | 2201 | 142 | 320 | 4.45 | 100.0 | 111 | 559 |
| 70.0 | 80.0 | 35 13.0 | 123 48.0 | BD | 57 05 13 | 1721 | 140 | 403 | 3.47 | 100.0 | 9 | 68 |
| 70.0 | 90.0 | 34 53.0 | 124 30.0 | BD | 57 05 13 | 1235 | 140 | 424 | 3.29 | 100.0 | 4 | 149 |
| 73.0 | 50.0 | 35 37.0 | 121 16.6 | BD | 57 05 12 | 1402 | 83 | 274 | 3.03 | 50.0 | 7 | 14 |
| 73.0 | 55.0 | 35 27.5 | 121 37.2 | BD | 57 05 12 | 1641 | 138 | 445 | 3.11 | 50.0 | 14 | 9 |
| 73.0 | 60.0 | 35 18.0 | 121 58.4 | BD | 57 05 12 | 1936 | 144 | 315 | 4.56 | 100.0 | 173 | 712 |
| 73.0 | 70.0 | 34 58.2 | 122 39.8 | BD | 57 05 13 | 0047 | 137 | 332 | 4.13 | 25.0 | 14 | 191 |
| 73.0 | 80.0 | 34 38.2 | 123 21.7 | BD | 57 05 13 | 0606 | 142 | 364 | 3.91 | 50.0 | 7 | 65 |
| 77.0 | 50.0 | 35 04.0 | 120 52.0 | BD | 57 05 12 | 0842 | 114 | 345 | 3.30 | 50.0 | 13 | 18 |
| 77.0 | 55.0 | 34 52.7 | 121 12.4 | BD | 57 05 12 | 0541 | 138 | 366 | 3.76 | 50.0 | 19 | 17 |
| 77.0 | 60.0 | 34 42.6 | 121 34.8 | BD | 57 05 12 | 0236 | 138 | 342 | 4.02 | 25.0 | 29 | 28 |
| 77.0 | 70.0 | 34 24.2 | 122 16.0 | BD | 57 05 11 | 2120 | 143 | 385 | 3.71 | 12.5 | 15 | 6 |
| 77.0 | 80.0 | 34 04.2 | 122 57.0 | BD | 57 05 11 | 1631 | 144 | 390 | 3.69 | 100.0 | 6 | 133 |
| 80.0 | 51.0 | 34 26.5 | 120 32.0 | HO | 57 05 09 | 1558 | 72 | 283 | 2.54 | 100.0 | 1 | 3 |
| 80.0 | 55.0 | 34 19.0 | 120 47.0 | HO | 57 05 09 | 1345 | 137 | 509 | 2.69 | 50.0 | 7 | 6 |
| 80.0 | 60.0 | 34 10.0 | 121 12.0 | HO | 57 05 09 | 1041 | 140 | 476 | 2.94 | 25.0 | 4 | 97 |
| 80.0 | 70.0 | 33 49.0 | 121 51.0 | BD | 57 05 10 | 2206 | 141 | 395 | 3.57 | 25.0 | 42 | 114 |
| 80.0 | 80.0 | 33 29.5 | 122 27.8 | BD | 57 05 11 | 0321 | 140 | 433 | 3.24 | 100.0 | 17 | 66 |
| 80.0 | 90.0 | 33 09.0 | 123 13.0 | BD | 57 05 11 | 0931 | 146 | 402 | 3.65 | 100.0 | 20 | 353 |
| 82.0 | 47.0 | 34 14.0 | 119 55.5 | HO | 57 05 10 | 0140 | 126 | 543 | 2.33 | 25.0 | 82 | 15 |
| 83.0 | 40.0 | 34 14.0 | 119 23.0 | HO | 57 05 09 | 2200 | 15 | 53 | 2.82 | 50.0 | 861 | 264 |
| 83.0 | 43.0 | 34 13.0 | 119 34.0 | HO | 57 05 09 | 2302 | 126 | 501 | 2.52 | 25.0 | 48 | 15 |
| 83.0 | 51.0 | 33 51.5 | 120 08.0 | HO | 57 05 10 | 0507 | 117 | 338 | 3.45 | 100.0 | 33 | 3 |
| 83.0 | 55.0 | 33 44.0 | 120 24.3 | HO | 57 05 10 | 0726 | 129 | 379 | 3.40 | 50.0 | 39 | 606 |
| 83.0 | 60.0 | 33 33.5 | 120 45.5 | HO | 57 05 10 | 0936 | 135 | 466 | 2.89 | 100.0 | 12 | 79 |
| 83.0 | 70.0 | 33 14.5 | 121 26.0 | BD | 57 05 10 | 1621 | 139 | 456 | 3.04 | 100.0 | 2 | 2 |

TABLE 1. (cont.)

CalCOFI Cruise 5705

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 83.0 | 80.0 | 32 54.5 | 122 07.5 | BD | 57 05 10 | 1126 | 136 | 478 | 2.85 | 100.0 | 32 | 31 |
| 83.0 | 90.0 | 32 34.5 | 122 48.0 | BD | 57 05 10 | 0556 | 141 | 429 | 3.28 | 100.0 | 33 | 492 |
| 87.0 | 36.0 | 33 49.5 | 118 45.0 | HO | 57 05 11 | 0421 | 133 | 450 | 2.96 | 50.0 | 527 | 220 |
| 87.0 | 40.0 | 33 39.0 | 118 58.0 | HO | 57 05 11 | 0156 | 114 | 522 | 2.19 | 25.0 | 271 | 43 |
| 87.0 | 45.0 | 33 29.5 | 119 18.5 | HO | 57 05 10 | 2133 | 141 | 404 | 3.48 | 25.0 | 163 | 133 |
| 87.0 | 50.0 | 33 20.0 | 119 38.5 | HO | 57 05 10 | 1903 | 39 | 215 | 1.83 | 100.0 | 45 | 52 |
| 87.0 | 55.0 | 33 08.0 | 119 58.2 | HO | 57 05 10 | 1636 | 145 | 444 | 3.25 | 50.0 | 14 | 11 |
| 87.0 | 60.0 | 33 00.0 | 120 19.5 | HO | 57 05 10 | 1346 | 129 | 473 | 2.73 | 25.0 | 15 | 36 |
| 87.0 | 65.0 | 32 50.0 | 120 41.5 | BD | 57 05 09 | 0912 | 137 | 474 | 2.89 | 100.0 | 0 | 11 |
| 87.0 | 70.0 | 32 39.5 | 121 02.0 | BD | 57 05 09 | 1227 | 141 | 431 | 3.26 | 100.0 | 4 | 36 |
| 87.0 | 75.0 | 32 29.5 | 121 22.5 | BD | 57 05 09 | 1527 | 145 | 432 | 3.35 | 100.0 | 23 | 68 |
| 87.0 | 80.0 | 32 18.0 | 121 45.5 | BD | 57 05 09 | 1851 | 139 | 450 | 3.09 | 100.0 | 33 | 36 |
| 87.0 | 85.0 | 32 10.0 | 122 03.5 | BD | 57 05 09 | 2101 | 140 | 502 | 2.78 | 100.0 | 55 | 88 |
| 87.0 | 90.0 | 31 59.0 | 122 24.0 | BD | 57 05 10 | 0016 | 145 | 421 | 3.45 | 100.0 | 25 | 42 |
| 90.0 | 28.0 | 33 28.0 | 117 46.5 | HO | 57 05 11 | 0938 | 81 | 301 | 2.68 | 100.0 | 139 | 164 |
| 90.0 | 30.0 | 33 24.5 | 117 55.0 | HO | 57 05 11 | 1041 | 96 | 510 | 1.89 | 100.0 | 274 | 172 |
| 90.0 | 37.0 | 33 11.0 | 118 24.5 | HO | 57 05 12 | 0932 | 145 | 458 | 3.17 | 100.0 | 110 | 48 |
| 90.0 | 45.0 | 32 55.0 | 118 56.0 | HO | 57 05 12 | 1306 | 134 | 495 | 2.71 | 50.0 | 20 | 14 |
| 90.0 | 50.0 | 32 45.0 | 119 16.5 | HO | 57 05 12 | 1546 | 134 | 482 | 2.77 | 100.0 | 108 | 54 |
| 90.0 | 55.0 | 32 35.0 | 119 37.0 | HO | 57 05 12 | 1808 | 138 | 478 | 2.89 | 12.5 | 99 | 141 |
| 90.0 | 60.0 | 32 23.0 | 119 58.0 | HO | 57 05 12 | 2016 | 146 | 428 | 3.42 | 12.5 | 29 | 470 |
| 90.0 | 65.0 | 32 12.5 | 120 20.0 | HO | 57 05 12 | 2256 | 122 | 522 | 2.35 | 25.0 | 10 | 275 |
| 90.0 | 70.0 | 32 02.0 | 120 43.0 | HO | 57 05 13 | 0111 | 146 | 443 | 3.30 | 100.0 | 17 | 120 |
| 90.0 | 75.0 | 31 51.0 | 121 03.5 | HO | 57 05 13 | 0351 | 144 | 442 | 3.27 | 100.0 | 32 | 93 |
| 90.0 | 80.0 | 31 41.0 | 121 22.0 | HO | 57 05 13 | 0612 | 128 | 498 | 2.57 | 100.0 | 12 | 106 |
| 90.0 | 85.0 | 31 35.0 | 121 38.5 | HO | 57 05 13 | 0816 | 123 | 502 | 2.46 | 100.0 | 3 | 16 |
| 90.0 | 90.0 | 31 26.0 | 121 58.0 | HO | 57 05 13 | 1036 | 143 | 472 | 3.02 | 100.0 | 25 | 161 |
| 93.0 | 27.0 | 32 56.0 | 117 19.5 | HO | 57 05 14 | 2210 | 116 | 516 | 2.25 | 25.0 | 47 | 62 |
| 93.0 | 30.0 | 32 47.5 | 117 31.0 | HO | 57 05 14 | 2011 | 110 | 543 | 2.03 | 100.0 | 605 | 161 |
| 93.0 | 35.0 | 32 39.5 | 117 52.5 | HO | 57 05 14 | 1801 | 114 | 548 | 2.08 | 100.0 | 41 | 287 |
| 93.0 | 40.0 | 32 28.0 | 118 12.0 | HO | 57 05 14 | 1521 | 131 | 486 | 2.69 | 100.0 | 57 | 287 |
| 93.0 | 45.0 | 32 20.5 | 118 26.5 | HO | 57 05 14 | 1325 | 130 | 492 | 2.63 | 100.0 | 113 | 108 |
| 93.0 | 50.0 | 32 08.0 | 118 52.5 | HO | 57 05 14 | 1048 | 170 | 373 | 4.55 | 100.0 | 43 | 73 |
| 93.0 | 55.0 | 31 58.5 | 119 13.0 | HO | 57 05 14 | 0741 | 136 | 471 | 2.90 | 50.0 | 315 | 1146 |
| 93.0 | 60.0 | 31 43.0 | 119 38.5 | HO | 57 05 14 | 0421 | 139 | 449 | 3.09 | 100.0 | 293 | 2583 |
| 93.0 | 65.0 | 31 35.5 | 119 56.0 | HO | 57 05 14 | 0211 | 126 | 491 | 2.56 | 50.0 | 57 | 121 |
| 93.0 | 70.0 | 31 26.0 | 120 16.0 | HO | 57 05 13 | 2334 | 130 | 480 | 2.71 | 100.0 | 121 | 191 |
| 93.0 | 75.0 | 31 19.0 | 120 34.0 | HO | 57 05 13 | 2126 | 132 | 492 | 2.68 | 100.0 | 22 | 67 |
| 93.0 | 80.0 | 31 13.5 | 120 53.0 | HO | 57 05 13 | 1926 | 136 | 502 | 2.70 | 100.0 | 15 | 72 |
| 93.0 | 85.0 | 31 03.0 | 121 15.0 | HO | 57 05 13 | 1705 | 150 | 434 | 3.45 | 100.0 | 20 | 42 |
| 93.0 | 90.0 | 30 53.0 | 121 37.0 | HO | 57 05 13 | 1445 | 142 | 473 | 2.99 | 100.0 | 11 | 213 |
| 97.0 | 30.0 | 32 15.5 | 117 08.5 | HO | 57 05 15 | 0418 | 69 | 309 | 2.23 | 50.0 | 163 | 699 |
| 97.0 | 32.0 | 32 11.5 | 117 16.5 | HO | 57 05 15 | 0516 | 139 | 434 | 3.19 | 100.0 | 26 | 45 |
| 97.0 | 40.0 | 31 55.0 | 117 50.0 | HO | 57 05 15 | 0901 | 111 | 569 | 1.95 | 100.0 | 4 | 32 |
| 97.0 | 45.0 | 31 44.0 | 118 11.5 | HO | 57 05 15 | 1125 | 128 | 492 | 2.60 | 100.0 | 19 | 170 |

TABLE 1. (cont.)

CalCOFI Cruise 5705

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|--------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 97.0 | 50.0 | 31 37.0 | 118 30.0 | HO | 57 05 15 | 1336 | 137 | 479 | 2.87 | 100.0 | 23 | 46 |
| 97.0 | 55.0 | 31 27.0 | 118 51.0 | HO | 57 05 15 | 1711 | 144 | 445 | 3.24 | 25.0 | 173 | 927 |
| 97.0 | 60.0 | 31 19.0 | 119 11.0 | HO | 57 05 15 | 1920 | 155 | 397 | 3.92 | 100.0 | 95 | 250 |
| 97.0 | 65.0 | 31 06.0 | 119 32.0 | HO | 57 05 15 | 2221 | 140 | 483 | 2.90 | 100.0 | 136 | 412 |
| 97.0 | 70.0 | 30 57.0 | 119 52.5 | HO | 57 05 16 | 0046 | 125 | 529 | 2.37 | 100.0 | 191 | 457 |
| 97.0 | 75.0 | 30 47.5 | 120 14.0 | HO | 57 05 16 | 0336 | 151 | 451 | 3.35 | 100.0 | 55 | 127 |
| 97.0 | 80.0 | 30 38.5 | 120 34.5 | HO | 57 05 16 | 0603 | 150 | 432 | 3.48 | 100.0 | 8 | 73 |
| 97.0 | 85.0 | 30 25.5 | 120 50.0 | HO | 57 05 16 | 0820 | 138 | 463 | 2.98 | 100.0 | 6 | 43 |
| 97.0 | 90.0 | 30 14.0 | 121 09.0 | HO | 57 05 16 | 1056 | 107 | 566 | 1.89 | 100.0 | 9 | 21 |
| 100.0 | 29.0 | 31 42.0 | 116 43.5 | HO | 57 05 18 | 0116 | 113 | 502 | 2.26 | 50.0 | 35 | 4 |
| 100.0 | 33.0 | 31 34.0 | 116 54.0 | HO | 57 05 17 | 2306 | 116 | 544 | 2.13 | 25.0 | 130 | 16 |
| 100.0 | 40.0 | 31 19.5 | 117 24.5 | HO | 57 05 17 | 1845 | 155 | 419 | 3.70 | 100.0 | 41 | 3 |
| 100.0 | 45.0 | 31 10.0 | 117 46.0 | HO | 57 05 17 | 1528 | 134 | 472 | 2.83 | 100.0 | 13 | 437 |
| 100.0 | 50.0 | 31 00.0 | 118 01.0 | HO | 57 05 17 | 1306 | 124 | 517 | 2.40 | 100.0 | 37 | 672 |
| 100.0 | 55.0 | 30 48.0 | 118 25.0 | HO | 57 05 17 | 1001 | 117 | 512 | 2.28 | 50.0 | 10 | 343 |
| 100.0 | 60.0 | 30 38.5 | 118 46.0 | HO | 57 05 17 | 0718 | 139 | 468 | 2.98 | 100.0 | 33 | 987 |
| 100.0 | 65.0 | 30 29.0 | 119 06.5 | HO | 57 05 17 | 0440 | 139 | 460 | 3.01 | 100.0 | 155 | 142 |
| 100.0 | 70.0 | 30 19.0 | 119 26.0 | HO | 57 05 17 | 0211 | 149 | 435 | 3.42 | 100.0 | 441 | 96 |
| 100.0 | 75.0 | 30 10.0 | 119 46.0 | HO | 57 05 16 | 2306 | 124 | 544 | 2.28 | 100.0 | 273 | 61 |
| 100.0 | 80.0 | 30 00.0 | 120 06.0 | HO | 57 05 16 | 2022 | 118 | 542 | 2.17 | 100.0 | 413 | 100 |
| 100.0 | 85.0 | 29 50.0 | 120 26.5 | HO | 57 05 16 | 1742 | 149 | 437 | 3.42 | 100.0 | 49 | 35 |
| 100.0 | 90.0 | 29 40.5 | 120 47.5 | HO | 57 05 16 | 1511 | 148 | 463 | 3.20 | 100.0 | 46 | 68 |
| 103.0 | 30.0 | 31 05.1 | 116 25.5 | OR | 57 05 19 | 2133 | 71 | 313 | 2.26 | 50.0 | 104 | 17 |
| 103.0 | 35.0 | 30 57.0 | 116 45.0 | OR | 57 05 20 | 0006 | 142 | 434 | 3.28 | 100.0 | 59 | 125 |
| 103.0 | 40.0 | 30 48.0 | 117 02.0 | OR | 57 05 20 | 0221 | 146 | 425 | 3.44 | 100.0 | 64 | 505 |
| 103.0 | 45.0 | 30 38.0 | 117 21.0 | OR | 57 05 20 | 0446 | 135 | 528 | 2.56 | 100.0 | 79 | 199 |
| 103.0 | 50.0 | 30 26.5 | 117 45.0 | OR | 57 05 20 | 0821 | 143 | 551 | 2.60 | 100.0 | 39 | 206 |
| 103.0 | 55.0 | 30 16.3 | 118 05.0 | OR | 57 05 20 | 1131 | 144 | 402 | 3.57 | 100.0 | 22 | 187 |
| 103.0 | 60.0 | 30 08.0 | 118 22.0 | OR | 57 05 20 | 1421 | 137 | 395 | 3.47 | 100.0 | 44 | 64 |
| 103.0 | 65.0 | 29 57.0 | 118 45.0 | OR | 57 05 20 | 1716 | 134 | 504 | 2.65 | 100.0 | 288 | 176 |
| 103.0 | 70.0 | 29 46.0 | 119 05.0 | OR | 57 05 20 | 1951 | 145 | 450 | 3.21 | 100.0 | 111 | 309 |
| 103.0 | 75.0 | 29 36.0 | 119 24.0 | OR | 57 05 20 | 2226 | 141 | 482 | 2.93 | 100.0 | 73 | 31 |
| 103.0 | 80.0 | 29 27.0 | 119 44.0 | OR | 57 05 21 | 0101 | 136 | 395 | 3.43 | 100.0 | 420 | 33 |
| 103.0 | 85.0 | 29 17.0 | 120 04.0 | OR | 57 05 21 | 0330 | 133 | 548 | 2.42 | 50.0 | 306 | 33 |
| 103.0 | 90.0 | 29 07.0 | 120 23.0 | OR | 57 05 21 | 0556 | 139 | 513 | 2.70 | 100.0 | 223 | 39 |
| 107.0 | 32.0 | 30 27.8 | 116 12.0 | OR | 57 05 22 | 1946 | 137 | 592 | 2.31 | 25.0 | 52 | 5 |
| 107.0 | 35.0 | 30 20.0 | 116 23.0 | OR | 57 05 22 | 1801 | 138 | 654 | 2.10 | 100.0 | 49 | 16 |
| 107.0 | 40.0 | 30 13.0 | 116 43.0 | OR | 57 05 22 | 1456 | 134 | 595 | 2.25 | 100.0 | 70 | 77 |
| 107.0 | 45.0 | 30 04.0 | 117 04.0 | OR | 57 05 22 | 1216 | 137 | 453 | 3.02 | 100.0 | 18 | 98 |
| 107.0 | 50.0 | 29 51.0 | 117 22.0 | OR | 57 05 22 | 0916 | 142 | 572 | 2.49 | 100.0 | 83 | 453 |
| 107.0 | 55.0 | 29 42.0 | 117 42.0 | OR | 57 05 22 | 0621 | 134 | 625 | 2.14 | 100.0 | 311 | 475 |
| 107.0 | 60.0 | 29 33.0 | 118 02.0 | OR | 57 05 22 | 0326 | 134 | 632 | 2.12 | 25.0 | 135 | 29 |
| 107.0 | 65.0 | 29 22.0 | 118 22.0 | OR | 57 05 22 | 0026 | 140 | 465 | 3.02 | 100.0 | 283 | 45 |
| 107.0 | 70.0 | 29 12.0 | 118 41.0 | OR | 57 05 21 | 2126 | 143 | 606 | 2.36 | 50.0 | 396 | 169 |
| 107.0 | 75.0 | 29 02.0 | 119 00.0 | OR | 57 05 21 | 1831 | 135 | 638 | 2.12 | 100.0 | 99 | 14 |

TABLE 1. (cont.)

CalCOFI Cruise 5705

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 107.0 | 80.0 | 28 52.0 | 119 20.0 | OR | 57 05 21 | 1546 | 137 | 429 | 3.19 | 100.0 | 142 | 14 |
| 107.0 | 85.0 | 28 42.0 | 119 40.0 | OR | 57 05 21 | 1311 | 135 | 381 | 3.56 | 100.0 | 144 | 27 |
| 107.0 | 90.0 | 28 35.0 | 119 58.0 | OR | 57 05 21 | 1026 | 144 | 498 | 2.89 | 100.0 | 94 | 35 |
| 110.0 | 33.0 | 29 50.4 | 115 52.1 | ST | 57 05 22 | 0603 | 68 | 247 | 2.76 | 100.0 | 6 | 1 |
| 110.0 | 35.0 | 29 46.7 | 115 59.4 | ST | 57 05 22 | 0436 | 138 | 466 | 2.96 | 100.0 | 23 | 7 |
| 110.0 | 40.0 | 29 32.3 | 116 20.1 | ST | 57 05 22 | 0121 | 133 | 455 | 2.92 | 25.0 | 7 | 195 |
| 110.0 | 45.0 | 29 24.0 | 116 37.3 | ST | 57 05 21 | 2236 | 139 | 454 | 3.07 | 100.0 | 33 | 134 |
| 110.0 | 50.0 | 29 14.7 | 116 59.0 | ST | 57 05 21 | 1936 | 141 | 459 | 3.08 | 100.0 | 22 | 37 |
| 110.0 | 55.0 | 29 05.1 | 117 20.1 | ST | 57 05 21 | 1701 | 142 | 451 | 3.16 | 100.0 | 10 | 83 |
| 110.0 | 60.0 | 28 56.6 | 117 38.5 | ST | 57 05 21 | 1431 | 146 | 479 | 3.05 | 100.0 | 8 | 168 |
| 110.0 | 65.0 | 28 44.6 | 117 56.2 | ST | 57 05 21 | 1201 | 133 | 502 | 2.66 | 50.0 | 6 | 817 |
| 110.0 | 70.0 | 28 34.0 | 118 18.0 | ST | 57 05 21 | 0916 | 132 | 496 | 2.65 | 100.0 | 18 | 119 |
| 110.0 | 75.0 | 28 25.0 | 118 37.0 | ST | 57 05 21 | 0651 | 137 | 474 | 2.89 | 100.0 | 36 | 296 |
| 110.0 | 80.0 | 28 14.1 | 118 57.1 | ST | 57 05 21 | 0426 | 143 | 473 | 3.02 | 100.0 | 117 | 65 |
| 110.0 | 85.0 | 28 04.0 | 119 17.1 | ST | 57 05 21 | 0201 | 137 | 494 | 2.78 | 100.0 | 141 | 562 |
| 110.0 | 90.0 | 27 54.0 | 119 37.8 | ST | 57 05 20 | 2326 | 141 | 462 | 3.04 | 100.0 | 310 | 179 |
| 113.0 | 30.0 | 29 22.5 | 115 18.1 | ST | 57 05 19 | 1839 | 45 | 194 | 2.32 | 25.0 | 5 | 0 |
| 113.0 | 35.0 | 29 11.3 | 115 38.7 | ST | 57 05 19 | 2056 | 146 | 471 | 3.10 | 50.0 | 49 | 23 |
| 113.0 | 40.0 | 29 00.6 | 115 58.4 | ST | 57 05 19 | 2311 | 140 | 459 | 3.05 | 50.0 | 172 | 173 |
| 113.0 | 45.0 | 28 49.5 | 116 19.4 | ST | 57 05 20 | 0131 | 133 | 486 | 2.74 | 100.0 | 22 | 110 |
| 113.0 | 50.0 | 28 38.5 | 116 39.0 | ST | 57 05 20 | 0356 | 137 | 517 | 2.65 | 100.0 | 70 | 48 |
| 113.0 | 55.0 | 28 31.2 | 116 55.0 | ST | 57 05 20 | 0606 | 142 | 485 | 2.92 | 100.0 | 6 | 69 |
| 113.0 | 60.0 | 28 22.0 | 117 15.4 | ST | 57 05 20 | 0836 | 138 | 472 | 2.94 | 50.0 | 3 | 38 |
| 113.0 | 65.0 | 28 12.0 | 117 38.2 | ST | 57 05 20 | 1056 | 137 | 506 | 2.71 | 100.0 | 13 | 821 |
| 113.0 | 70.0 | 28 02.5 | 117 55.8 | ST | 57 05 20 | 1306 | 135 | 523 | 2.59 | 100.0 | 40 | 181 |
| 113.0 | 75.0 | 27 51.0 | 118 15.4 | ST | 57 05 20 | 1521 | 130 | 507 | 2.56 | 100.0 | 4 | 197 |
| 113.0 | 80.0 | 27 39.5 | 118 33.6 | ST | 57 05 20 | 1736 | 138 | 466 | 2.96 | 100.0 | 14 | 159 |
| 117.0 | 26.0 | 28 55.8 | 114 40.8 | ST | 57 05 19 | 1418 | 49 | 293 | 1.67 | 50.0 | 53 | 150 |
| 117.0 | 30.0 | 28 47.7 | 114 56.5 | ST | 57 05 19 | 1228 | 64 | 277 | 2.33 | 50.0 | 49 | 392 |
| 117.0 | 35.0 | 28 36.8 | 115 16.3 | ST | 57 05 19 | 0941 | 119 | 573 | 2.07 | 50.0 | 9 | 16 |
| 117.0 | 40.0 | 28 27.4 | 115 35.7 | ST | 57 05 19 | 0521 | 135 | 499 | 2.72 | 100.0 | 22 | 582 |
| 117.0 | 45.0 | 28 12.8 | 116 02.5 | ST | 57 05 19 | 0151 | 119 | 521 | 2.29 | 100.0 | 88 | 1031 |
| 117.0 | 50.0 | 28 02.8 | 116 21.7 | ST | 57 05 18 | 2306 | 129 | 460 | 2.80 | 100.0 | 29 | 33 |
| 117.0 | 55.0 | 27 56.4 | 116 37.5 | ST | 57 05 18 | 2036 | 136 | 447 | 3.04 | 25.0 | 52 | 13 |
| 117.0 | 60.0 | 27 47.7 | 116 55.0 | ST | 57 05 18 | 1816 | 137 | 443 | 3.08 | 100.0 | 9 | 23 |
| 117.0 | 65.0 | 27 38.9 | 117 11.8 | ST | 57 05 18 | 1611 | 126 | 481 | 2.61 | 50.0 | 2 | 36 |
| 117.0 | 70.0 | 27 26.8 | 117 34.3 | ST | 57 05 18 | 1331 | 119 | 524 | 2.27 | 50.0 | 16 | 511 |
| 117.0 | 75.0 | 27 16.0 | 117 54.0 | ST | 57 05 18 | 1106 | 135 | 502 | 2.69 | 100.0 | 27 | 925 |
| 117.0 | 80.0 | 27 07.0 | 118 12.5 | ST | 57 05 18 | 0841 | 133 | 497 | 3.02 | 50.0 | 32 | 981 |
| 118.0 | 39.0 | 28 19.0 | 115 23.2 | ST | 57 05 19 | 0711 | 136 | 450 | 2.68 | 100.0 | 25 | 70 |
| 119.0 | 33.0 | 28 18.3 | 114 54.5 | ST | 57 05 16 | 1653 | 78 | 292 | 2.68 | 50.0 | 119 | 993 |
| 120.0 | 25.0 | 28 23.0 | 114 14.5 | ST | 57 05 16 | 1324 | 44 | 118 | 3.70 | 100.0 | 28 | 727 |
| 120.0 | 30.0 | 28 14.2 | 114 33.2 | ST | 57 05 16 | 1103 | 76 | 271 | 2.79 | 25.0 | 34 | 166 |
| 120.0 | 35.0 | 28 02.6 | 114 54.0 | ST | 57 05 16 | 0838 | 56 | 188 | 3.00 | 25.0 | 3 | 65 |
| 120.0 | 40.0 | 27 56.5 | 115 13.9 | ST | 57 05 17 | 0904 | 23 | 152 | 1.52 | 100.0 | 72 | 142 |

TABLE 1. (cont.)

CalCOFI Cruise 5705

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 120.0 | 45.0 | 27 43.0 | 115 33.0 | ST | 57 05 17 | 1120 | 131 | 517 | 2.53 | 100.0 | 59 | 51 |
| 120.0 | 50.0 | 27 32.5 | 115 52.5 | ST | 57 05 17 | 1341 | 132 | 505 | 2.60 | 100.0 | 33 | 49 |
| 120.0 | 55.0 | 27 23.0 | 116 11.0 | ST | 57 05 17 | 1601 | 135 | 484 | 2.79 | 100.0 | 14 | 169 |
| 120.0 | 60.0 | 27 12.0 | 116 33.0 | ST | 57 05 17 | 1826 | 136 | 466 | 2.91 | 25.0 | 14 | 56 |
| 120.0 | 65.0 | 27 01.5 | 116 51.8 | ST | 57 05 17 | 2056 | 141 | 465 | 3.03 | 50.0 | 74 | 154 |
| 120.0 | 70.0 | 26 50.5 | 117 12.2 | ST | 57 05 17 | 2306 | 137 | 467 | 2.94 | 50.0 | 197 | 103 |
| 120.0 | 75.0 | 26 39.1 | 117 33.0 | ST | 57 05 18 | 0136 | 127 | 509 | 2.50 | 100.0 | 122 | 114 |
| 120.0 | 80.0 | 26 28.1 | 117 53.7 | ST | 57 05 18 | 0401 | 140 | 556 | 2.51 | 50.0 | 77 | 704 |
| 123.0 | 37.0 | 27 24.1 | 114 40.0 | ST | 57 05 16 | 0259 | 41 | 209 | 1.96 | 100.0 | 44 | 23 |
| 123.0 | 42.0 | 27 12.3 | 114 59.8 | ST | 57 05 16 | 0026 | 134 | 495 | 2.70 | 100.0 | 33 | 5 |
| 127.0 | 34.0 | 26 55.2 | 114 06.0 | ST | 57 05 15 | 1143 | 63 | 215 | 2.91 | 100.0 | 20 | 295 |
| 127.0 | 40.0 | 26 43.1 | 114 29.3 | ST | 57 05 15 | 1431 | 131 | 479 | 2.73 | 50.0 | 16 | 68 |
| 127.0 | 45.0 | 26 32.9 | 114 47.5 | ST | 57 05 15 | 1701 | 154 | 432 | 3.57 | 100.0 | 15 | 198 |
| 130.0 | 30.0 | 26 28.5 | 113 28.2 | ST | 57 05 14 | 1308 | 66 | 225 | 2.94 | 100.0 | 22 | 63 |
| 130.0 | 35.0 | 26 16.0 | 113 49.6 | ST | 57 05 14 | 1035 | 130 | 537 | 2.42 | 50.0 | 21 | 27 |
| 130.0 | 40.0 | 26 05.1 | 114 08.2 | ST | 57 05 14 | 0756 | 122 | 554 | 2.19 | 100.0 | 47 | 369 |
| 130.0 | 50.0 | 25 42.0 | 114 42.6 | ST | 57 05 14 | 0251 | 133 | 478 | 2.77 | 100.0 | 161 | 53 |
| 130.0 | 60.0 | 25 23.0 | 115 13.1 | ST | 57 05 13 | 0505 | 138 | 505 | 2.74 | 100.0 | 82 | 51 |
| 133.0 | 25.0 | 25 57.0 | 112 40.5 | ST | 57 05 13 | 0721 | 63 | 270 | 2.33 | 25.0 | 13 | 9 |
| 133.0 | 30.0 | 25 47.6 | 113 02.8 | ST | 57 05 13 | 1151 | 126 | 545 | 2.32 | 100.0 | 45 | 529 |
| 133.0 | 40.0 | 25 29.2 | 113 43.0 | ST | 57 05 13 | 1545 | 130 | 492 | 2.65 | 100.0 | 41 | 13 |
| 133.0 | 50.0 | 25 13.2 | 114 23.0 | ST | 57 05 13 | 1545 | 138 | 439 | 3.14 | 100.0 | 8 | 40 |
| 137.0 | 23.0 | 25 33.5 | 112 18.0 | ST | 57 05 13 | 0035 | 58 | 206 | 2.81 | 25.0 | 11 | 73 |
| 137.0 | 30.0 | 25 20.5 | 112 45.0 | ST | 57 05 12 | 2126 | 131 | 469 | 2.79 | 100.0 | 38 | 99 |
| 137.0 | 50.0 | 24 40.0 | 114 02.1 | ST | 57 05 12 | 1241 | 124 | 510 | 2.42 | 100.0 | 25 | 32 |

TABLE 1. (cont.)

CalCOFI Cruise 5706

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 60.0 | 50.0 | 37 57.5 | 122 53.2 | BD | 57 06 15 | 1228 | 33 | 193 | 1.70 | 25.0 | 0 | 0 |
| 60.0 | 55.0 | 37 47.5 | 123 15.0 | BD | 57 06 15 | 1612 | 101 | 334 | 3.03 | 100.0 | 6 | 330 |
| 60.0 | 60.0 | 37 37.2 | 123 37.2 | BD | 57 06 15 | 1936 | 135 | 432 | 3.12 | 100.0 | 3 | 129 |
| 60.0 | 70.0 | 37 15.5 | 124 23.8 | BD | 57 06 16 | 0425 | 128 | 451 | 2.84 | 25.0 | 13 | 27 |
| 60.0 | 80.0 | 36 57.0 | 125 04.0 | BD | 57 06 16 | 0851 | 129 | 443 | 2.91 | 50.0 | 36 | 22 |
| 60.0 | 90.0 | 36 37.0 | 125 47.0 | BD | 57 06 16 | 1356 | 150 | 374 | 4.02 | 100.0 | 4 | 19 |
| 63.0 | 52.0 | 37 19.0 | 122 36.2 | BD | 57 06 14 | 0628 | 76 | 203 | 3.72 | 100.0 | 45 | 13 |
| 63.0 | 55.0 | 37 14.0 | 122 49.5 | BD | 57 06 13 | 0406 | 136 | 374 | 3.64 | 50.0 | 36 | 57 |
| 63.0 | 60.0 | 37 06.7 | 123 10.0 | BD | 57 06 13 | 2331 | 136 | 419 | 3.24 | 25.0 | 18 | 146 |
| 63.0 | 70.0 | 36 42.0 | 123 56.0 | BD | 57 06 13 | 1411 | 141 | 420 | 3.35 | 50.0 | 15 | 23 |
| 63.0 | 80.0 | 36 22.3 | 124 38.8 | BD | 57 06 13 | 0706 | 142 | 390 | 3.65 | 100.0 | 6 | 37 |
| 63.0 | 90.0 | 36 02.2 | 125 21.3 | BD | 57 06 13 | 0146 | 143 | 396 | 3.60 | 100.0 | 11 | 27 |
| 67.0 | 50.0 | 36 49.0 | 122 04.6 | BD | 57 06 12 | 0052 | 92 | 281 | 3.28 | 100.0 | 40 | 137 |
| 67.0 | 55.0 | 36 39.0 | 122 26.0 | BD | 57 06 12 | 0606 | 137 | 430 | 3.19 | 50.0 | 20 | 34 |
| 67.0 | 60.0 | 36 29.1 | 122 47.6 | BD | 57 06 12 | 0606 | 141 | 402 | 3.50 | 50.0 | 8 | 53 |
| 67.0 | 70.0 | 36 11.3 | 123 32.5 | BD | 57 06 12 | 1056 | 133 | 422 | 3.14 | 100.0 | 5 | 95 |
| 67.0 | 80.0 | 35 49.0 | 124 14.0 | BD | 57 06 12 | 1541 | 138 | 433 | 3.19 | 100.0 | 7 | 54 |
| 67.0 | 90.0 | 35 32.0 | 124 57.2 | BD | 57 06 12 | 2031 | 135 | 427 | 3.16 | 100.0 | 24 | 17 |
| 70.0 | 52.0 | 36 08.5 | 121 49.8 | BD | 57 06 11 | 1911 | 138 | 372 | 3.71 | 25.0 | 1 | 4 |
| 70.0 | 55.0 | 36 02.7 | 122 02.0 | BD | 57 06 11 | 1651 | 150 | 370 | 4.05 | 12.5 | 0 | 3 |
| 70.0 | 60.0 | 35 53.0 | 122 23.0 | BD | 57 06 11 | 1406 | 135 | 432 | 3.13 | 50.0 | 12 | 58 |
| 70.0 | 70.0 | 35 33.0 | 123 06.0 | BD | 57 06 11 | 0901 | 134 | 450 | 2.98 | 25.0 | 7 | 33 |
| 70.0 | 80.0 | 35 13.0 | 123 48.0 | BD | 57 06 11 | 0126 | 142 | 444 | 3.19 | 25.0 | 5 | 25 |
| 70.0 | 90.0 | 34 53.0 | 124 30.0 | BD | 57 06 10 | 1936 | 130 | 471 | 2.75 | 50.0 | 27 | 48 |
| 73.0 | 50.0 | 35 37.0 | 121 16.6 | BD | 57 06 09 | 1752 | 95 | 269 | 3.55 | 50.0 | 5 | 13 |
| 73.0 | 55.0 | 35 27.7 | 121 37.3 | BD | 57 06 09 | 2001 | 142 | 366 | 3.86 | 25.0 | 20 | 135 |
| 73.0 | 60.0 | 35 18.0 | 121 58.4 | BD | 57 06 09 | 2231 | 136 | 452 | 3.02 | 25.0 | 16 | 121 |
| 73.0 | 70.0 | 34 59.3 | 122 41.0 | BD | 57 06 10 | 0316 | 137 | 442 | 3.10 | 100.0 | 144 | 163 |
| 73.0 | 80.0 | 34 42.2 | 123 24.7 | BD | 57 06 10 | 0816 | 136 | 442 | 3.08 | 100.0 | 270 | 109 |
| 73.0 | 90.0 | 34 18.2 | 124 04.0 | BD | 57 06 10 | 1331 | 145 | 421 | 3.44 | 100.0 | 13 | 42 |
| 77.0 | 50.0 | 35 04.0 | 120 52.0 | BD | 57 06 08 | 2317 | 108 | 352 | 3.06 | 50.0 | 12 | 7 |
| 77.0 | 55.0 | 34 54.5 | 121 13.0 | BD | 57 06 08 | 1951 | 135 | 452 | 2.99 | 100.0 | 106 | 85 |
| 77.0 | 60.0 | 34 44.0 | 121 34.0 | BD | 57 06 08 | 1631 | 141 | 439 | 3.20 | 50.0 | 23 | 16 |
| 77.0 | 70.0 | 34 24.2 | 122 16.0 | BD | 57 06 08 | 1116 | 137 | 476 | 2.88 | 25.0 | 9 | 5 |
| 77.0 | 80.0 | 34 04.2 | 122 57.0 | BD | 57 06 08 | 0531 | 137 | 482 | 2.83 | 100.0 | 3 | 16 |
| 77.0 | 90.0 | 33 44.0 | 123 38.5 | BD | 57 06 07 | 2356 | 143 | 458 | 3.11 | 100.0 | 34 | 138 |
| 80.0 | 51.0 | 34 26.5 | 120 32.3 | OR | 57 06 06 | 0658 | 76 | 240 | 3.18 | 25.0 | 4 | 5 |
| 80.0 | 55.0 | 34 19.0 | 120 49.0 | OR | 57 06 06 | 0351 | 136 | 396 | 3.44 | 25.0 | 0 | 8 |
| 80.0 | 60.0 | 34 10.5 | 121 08.5 | OR | 57 06 06 | 0021 | 129 | 466 | 2.76 | 50.0 | 27 | 78 |
| 80.0 | 70.0 | 33 49.0 | 121 51.0 | BD | 57 06 07 | 0656 | 148 | 449 | 3.29 | 25.0 | 28 | 6 |
| 80.0 | 80.0 | 33 29.0 | 122 32.0 | BD | 57 06 07 | 1226 | 143 | 449 | 3.18 | 50.0 | 63 | 53 |
| 80.0 | 90.0 | 33 09.0 | 123 13.0 | BD | 57 06 07 | 1816 | 143 | 473 | 3.02 | 100.0 | 113 | 749 |
| 82.0 | 47.0 | 34 15.0 | 119 58.0 | OR | 57 06 06 | 1116 | 140 | 427 | 3.28 | 50.0 | 1 | 4 |
| 83.0 | 40.0 | 34 14.5 | 119 22.0 | OR | 57 06 06 | 1510 | 19 | 104 | 1.80 | 100.0 | 295 | 259 |
| 83.0 | 43.0 | 34 05.5 | 119 29.5 | OR | 57 06 06 | 1731 | 107 | 407 | 2.62 | 100.0 | 101 | 373 |

TABLE 1. (cont.)

| CalCOFI Cruise 5706 | | | | | | | | | | | | |
|---------------------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
| 83.0 | 51.0 | 33 51.8 | 120 06.8 | OR | 57 06 07 | 0753 | 84 | 236 | 3.55 | 100.0 | 161 | 351 |
| 83.0 | 55.0 | 33 44.0 | 120 24.3 | OR | 57 06 07 | 1046 | 139 | 411 | 3.37 | 100.0 | 46 | 65 |
| 83.0 | 60.0 | 33 34.5 | 120 44.0 | OR | 57 06 07 | 1406 | 135 | 393 | 3.43 | 100.0 | 67 | 63 |
| 83.0 | 65.0 | 33 24.2 | 121 05.0 | BD | 57 06 07 | 0026 | 143 | 452 | 3.15 | 100.0 | 24 | 30 |
| 83.0 | 70.0 | 33 14.5 | 121 26.0 | BD | 57 06 06 | 2041 | 139 | 462 | 3.00 | 100.0 | 89 | 65 |
| 83.0 | 75.0 | 33 04.5 | 121 46.5 | BD | 57 06 06 | 1701 | 136 | 522 | 2.60 | 25.0 | 12 | 13 |
| 83.0 | 80.0 | 32 54.5 | 122 07.5 | BD | 57 06 06 | 1401 | 146 | 451 | 3.23 | 50.0 | 28 | 11 |
| 83.0 | 85.0 | 32 44.7 | 122 27.2 | BD | 57 06 06 | 1011 | 140 | 477 | 2.93 | 100.0 | 57 | 263 |
| 83.0 | 90.0 | 32 34.5 | 122 48.0 | BD | 57 06 06 | 0711 | 136 | 459 | 2.95 | 100.0 | 17 | 10 |
| 87.0 | 35.0 | 33 47.8 | 118 41.8 | OR | 57 06 08 | 1101 | 140 | 414 | 3.38 | 25.0 | 103 | 83 |
| 87.0 | 40.0 | 33 40.5 | 118 59.0 | OR | 57 06 08 | 0751 | 141 | 349 | 4.04 | 50.0 | 36 | 8 |
| 87.0 | 45.0 | 33 30.0 | 119 19.0 | OR | 57 06 08 | 0521 | 143 | 351 | 4.08 | 100.0 | 42 | 4 |
| 87.0 | 50.0 | 33 20.0 | 119 40.0 | OR | 57 06 08 | 0203 | 62 | 215 | 2.89 | 50.0 | 85 | 2 |
| 87.0 | 55.0 | 33 11.0 | 120 01.0 | OR | 57 06 07 | 2206 | 129 | 456 | 2.84 | 50.0 | 113 | 7 |
| 87.0 | 60.0 | 33 00.0 | 120 22.0 | OR | 57 06 07 | 1901 | 136 | 363 | 3.75 | 50.0 | 135 | 51 |
| 87.0 | 65.0 | 32 51.4 | 120 43.0 | BD | 57 06 05 | 1126 | 136 | 490 | 2.77 | 50.0 | 30 | 443 |
| 87.0 | 70.0 | 32 39.5 | 121 02.0 | BD | 57 06 05 | 1431 | 142 | 439 | 3.24 | 25.0 | 20 | 94 |
| 87.0 | 75.0 | 32 29.7 | 121 22.3 | BD | 57 06 05 | 1716 | 141 | 480 | 2.95 | 100.0 | 20 | 265 |
| 87.0 | 80.0 | 32 19.5 | 121 43.0 | BD | 57 06 05 | 2016 | 141 | 449 | 3.13 | 100.0 | 10 | 42 |
| 87.0 | 85.0 | 32 10.0 | 122 05.7 | BD | 57 06 05 | 2311 | 138 | 516 | 2.68 | 100.0 | 6 | 29 |
| 87.0 | 90.0 | 31 59.0 | 122 29.0 | BD | 57 06 06 | 0206 | 141 | 470 | 3.01 | 100.0 | 39 | 29 |
| 90.0 | 28.0 | 33 28.3 | 117 46.3 | OR | 57 06 08 | 1641 | 135 | 341 | 3.97 | 50.0 | 236 | 110 |
| 90.0 | 30.0 | 33 24.0 | 117 55.3 | OR | 57 06 08 | 1756 | 132 | 335 | 3.94 | 50.0 | 145 | 66 |
| 90.0 | 37.0 | 33 10.5 | 118 23.5 | OR | 57 06 08 | 2126 | 140 | 439 | 3.19 | 25.0 | 167 | 56 |
| 90.0 | 45.0 | 32 55.3 | 118 56.0 | OR | 57 06 09 | 0156 | 141 | 394 | 3.58 | 50.0 | 89 | 32 |
| 90.0 | 50.0 | 32 45.5 | 119 17.0 | OR | 57 06 09 | 0446 | 136 | 379 | 3.59 | 100.0 | 10 | 2 |
| 90.0 | 55.0 | 32 34.8 | 119 37.0 | OR | 57 06 09 | 0721 | 136 | 389 | 3.50 | 50.0 | 16 | 4 |
| 90.0 | 60.0 | 32 24.8 | 119 58.0 | OR | 57 06 09 | 1001 | 139 | 443 | 3.15 | 50.0 | 60 | 19 |
| 90.0 | 65.0 | 32 15.0 | 120 17.5 | OR | 57 06 09 | 1251 | 138 | 442 | 3.11 | 100.0 | 43 | 430 |
| 90.0 | 70.0 | 32 05.0 | 120 38.0 | OR | 57 06 09 | 1531 | 139 | 443 | 3.14 | 100.0 | 53 | 105 |
| 90.0 | 75.0 | 31 55.0 | 120 58.0 | OR | 57 06 09 | 1811 | 136 | 362 | 3.75 | 25.0 | 5 | 150 |
| 90.0 | 80.0 | 31 45.0 | 121 18.0 | OR | 57 06 09 | 2041 | 141 | 431 | 3.27 | 100.0 | 14 | 46 |
| 90.0 | 85.0 | 31 35.0 | 121 38.5 | OR | 57 06 09 | 2331 | 140 | 427 | 3.27 | 100.0 | 6 | 4 |
| 90.0 | 90.0 | 31 25.0 | 121 59.0 | OR | 57 06 10 | 0211 | 141 | 422 | 3.35 | 100.0 | 31 | 8 |
| 93.0 | 27.0 | 32 56.0 | 117 18.8 | OR | 57 06 11 | 1738 | 64 | 172 | 3.70 | 100.0 | 47 | 189 |
| 93.0 | 30.0 | 32 45.5 | 117 30.5 | OR | 57 06 11 | 1526 | 138 | 483 | 2.86 | 100.0 | 15 | 9 |
| 93.0 | 35.0 | 32 34.2 | 117 48.3 | OR | 57 06 11 | 1316 | 141 | 457 | 3.08 | 100.0 | 14 | 18 |
| 93.0 | 40.0 | 32 23.0 | 118 05.0 | OR | 57 06 11 | 1021 | 138 | 448 | 3.09 | 100.0 | 16 | 9 |
| 93.0 | 45.0 | 32 10.5 | 118 22.0 | OR | 57 06 11 | 0746 | 143 | 456 | 3.14 | 100.0 | 10 | 8 |
| 93.0 | 50.0 | 32 00.0 | 118 46.0 | OR | 57 06 11 | 0506 | 141 | 416 | 3.39 | 100.0 | 24 | 24 |
| 93.0 | 55.0 | 31 52.0 | 119 07.5 | OR | 57 06 11 | 0211 | 143 | 435 | 3.28 | 100.0 | 177 | 1142 |
| 93.0 | 60.0 | 31 43.0 | 119 28.0 | OR | 57 06 10 | 2311 | 141 | 380 | 3.70 | 50.0 | 25 | 166 |
| 93.0 | 65.0 | 31 34.0 | 119 50.0 | OR | 57 06 10 | 2026 | 134 | 365 | 3.67 | 100.0 | 177 | 215 |
| 93.0 | 70.0 | 31 26.0 | 120 11.0 | OR | 57 06 10 | 1741 | 143 | 360 | 3.97 | 100.0 | 10 | 455 |
| 93.0 | 75.0 | 31 17.0 | 120 32.5 | OR | 57 06 10 | 1456 | 135 | 387 | 3.48 | 50.0 | 10 | 193 |

TABLE 1. (cont.)

CalCOFI Cruise 5706

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|--------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 93.0 | 80.0 | 31 08.0 | 120 53.0 | OR | 57 06 10 | 1221 | 139 | 394 | 3.52 | 50.0 | 21 | 435 |
| 93.0 | 85.0 | 31 00.0 | 121 14.0 | OR | 57 06 10 | 0941 | 141 | 395 | 3.56 | 50.0 | 7 | 286 |
| 93.0 | 90.0 | 30 50.0 | 121 35.0 | OR | 57 06 10 | 0711 | 137 | 357 | 3.84 | 100.0 | 6 | 3 |
| 97.0 | 30.0 | 32 15.5 | 117 09.0 | OR | 57 06 12 | 0729 | 48 | 148 | 3.26 | 100.0 | 9 | 0 |
| 97.0 | 32.0 | 32 11.5 | 117 16.5 | OR | 57 06 12 | 0816 | 141 | 470 | 3.01 | 100.0 | 4 | 3 |
| 97.0 | 40.0 | 31 55.0 | 117 49.5 | OR | 57 06 12 | 1216 | 142 | 473 | 3.01 | 100.0 | 9 | 14 |
| 97.0 | 45.0 | 31 45.0 | 118 10.0 | OR | 57 06 12 | 1621 | 142 | 353 | 4.03 | 100.0 | 4 | 5 |
| 97.0 | 50.0 | 31 34.0 | 118 29.0 | OR | 57 06 12 | 1841 | 135 | 357 | 3.77 | 100.0 | 14 | 81 |
| 97.0 | 55.0 | 31 21.0 | 118 48.0 | OR | 57 06 12 | 2251 | 141 | 430 | 3.29 | 50.0 | 34 | 40 |
| 97.0 | 60.0 | 31 10.5 | 119 07.0 | OR | 57 06 13 | 0136 | 139 | 455 | 3.05 | 100.0 | 174 | 493 |
| 97.0 | 65.0 | 30 59.0 | 119 25.0 | OR | 57 06 13 | 0431 | 137 | 388 | 3.54 | 100.0 | 82 | 46 |
| 97.0 | 70.0 | 30 47.0 | 119 44.0 | OR | 57 06 13 | 0751 | 140 | 434 | 3.22 | 100.0 | 38 | 8 |
| 97.0 | 75.0 | 30 35.5 | 120 03.5 | OR | 57 06 13 | 1126 | 137 | 440 | 3.11 | 100.0 | 75 | 28 |
| 97.0 | 80.0 | 30 25.0 | 120 23.0 | OR | 57 06 13 | 1446 | 133 | 477 | 2.79 | 100.0 | 10 | 121 |
| 97.0 | 85.0 | 30 15.0 | 120 43.0 | OR | 57 06 13 | 2046 | 128 | 423 | 3.03 | 100.0 | 5 | 152 |
| 97.0 | 90.0 | 30 05.0 | 121 03.0 | OR | 57 06 13 | 1417 | 100 | 339 | 2.97 | 25.0 | 15 | 65 |
| 100.0 | 29.0 | 31 42.0 | 116 43.3 | OR | 57 06 15 | 1156 | 142 | 476 | 2.99 | 100.0 | 2 | 1 |
| 100.0 | 33.0 | 31 34.5 | 116 58.5 | OR | 57 06 15 | 0601 | 138 | 354 | 3.90 | 100.0 | 25 | 1 |
| 100.0 | 40.0 | 31 11.0 | 117 44.0 | OR | 57 06 15 | 0306 | 136 | 448 | 3.04 | 100.0 | 5 | 35 |
| 100.0 | 45.0 | 31 02.0 | 118 03.0 | OR | 57 06 15 | 0001 | 135 | 452 | 2.99 | 100.0 | 26 | 92 |
| 100.0 | 50.0 | 30 54.0 | 118 20.0 | OR | 57 06 15 | 0001 | 135 | 415 | 3.31 | 100.0 | 57 | 17 |
| 100.0 | 55.0 | 30 45.0 | 118 38.0 | OR | 57 06 14 | 2056 | 137 | 415 | 3.10 | 100.0 | 50 | 24 |
| 100.0 | 60.0 | 30 36.0 | 118 57.0 | OR | 57 06 14 | 1806 | 129 | 414 | 3.10 | 100.0 | 33 | 102 |
| 100.0 | 65.0 | 30 27.0 | 119 15.0 | OR | 57 06 14 | 1511 | 132 | 488 | 2.70 | 100.0 | 77 | 17 |
| 100.0 | 70.0 | 30 18.0 | 119 34.0 | OR | 57 06 14 | 1206 | 134 | 478 | 2.80 | 100.0 | 28 | 21 |
| 100.0 | 75.0 | 30 09.0 | 119 52.0 | OR | 57 06 14 | 0911 | 135 | 443 | 3.04 | 100.0 | 38 | 65 |
| 100.0 | 80.0 | 30 00.0 | 120 10.0 | OR | 57 06 14 | 0616 | 135 | 383 | 3.52 | 100.0 | 2 | 68 |
| 100.0 | 85.0 | 29 50.0 | 120 28.0 | OR | 57 06 14 | 0311 | 139 | 448 | 3.09 | 100.0 | 34 | 71 |
| 100.0 | 90.0 | 29 42.0 | 120 46.0 | OR | 57 06 14 | 0011 | 129 | 459 | 2.81 | 100.0 | 68 | 53 |
| 103.0 | 30.0 | 31 05.0 | 116 25.0 | OR | 57 06 15 | 2238 | 68 | 246 | 2.77 | 100.0 | 36 | 98 |
| 103.0 | 35.0 | 30 55.0 | 116 45.0 | OR | 57 06 16 | 0116 | 141 | 480 | 2.93 | 100.0 | 111 | 10 |
| 103.0 | 40.0 | 30 45.0 | 117 06.0 | OR | 57 06 16 | 0401 | 139 | 362 | 3.82 | 100.0 | 147 | 7 |
| 103.0 | 45.0 | 30 37.0 | 117 25.0 | OR | 57 06 16 | 0646 | 142 | 367 | 3.87 | 100.0 | 48 | 25 |
| 103.0 | 50.0 | 30 26.0 | 117 43.0 | OR | 57 06 16 | 0936 | 139 | 416 | 3.35 | 100.0 | 21 | 21 |
| 103.0 | 55.0 | 30 15.0 | 118 04.0 | OR | 57 06 16 | 1241 | 139 | 425 | 3.27 | 100.0 | 15 | 44 |
| 103.0 | 60.0 | 30 05.0 | 118 24.0 | OR | 57 06 16 | 1531 | 140 | 417 | 3.36 | 100.0 | 161 | 80 |
| 103.0 | 65.0 | 29 55.0 | 118 43.0 | OR | 57 06 16 | 1821 | 131 | 355 | 3.69 | 100.0 | 167 | 5 |
| 103.0 | 70.0 | 29 44.0 | 119 03.0 | OR | 57 06 16 | 2111 | 142 | 431 | 3.29 | 100.0 | 167 | 74 |
| 103.0 | 75.0 | 29 32.0 | 119 25.0 | OR | 57 06 17 | 0011 | 145 | 424 | 3.42 | 100.0 | 146 | 252 |
| 103.0 | 80.0 | 29 20.0 | 119 47.0 | OR | 57 06 17 | 0306 | 140 | 427 | 3.28 | 100.0 | 253 | 384 |
| 103.0 | 85.0 | 29 12.0 | 120 02.0 | OR | 57 06 17 | 0516 | 134 | 404 | 3.31 | 100.0 | 168 | 97 |
| 103.0 | 90.0 | 29 02.5 | 120 19.5 | OR | 57 06 17 | 0756 | 136 | 453 | 3.00 | 100.0 | 82 | 219 |
| 107.0 | 35.0 | 30 25.3 | 116 32.0 | OR | 57 06 18 | 1846 | 138 | 405 | 3.40 | 100.0 | 32 | 13 |
| 107.0 | 40.0 | 30 19.5 | 116 42.8 | OR | 57 06 18 | 1631 | 127 | 371 | 3.42 | 100.0 | 35 | 4 |
| 107.0 | 45.0 | 30 08.5 | 117 05.0 | OR | 57 06 18 | 1326 | 139 | 414 | 3.35 | 100.0 | 7 | 36 |

TABLE 1. (cont.)

| CalCOFI Cruise 5706 | | | | | | | | | | | | |
|---------------------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
| 107.0 | 50.0 | 30 01.0 | 117 20.0 | OR | 57 06 18 | 1036 | 139 | 474 | 2.93 | 100.0 | 27 | 143 |
| 107.0 | 55.0 | 29 46.5 | 117 45.0 | OR | 57 06 18 | 0746 | 139 | 444 | 3.13 | 100.0 | 18 | 8 |
| 107.0 | 60.0 | 29 33.0 | 118 11.0 | OR | 57 06 18 | 0426 | 135 | 398 | 3.39 | 100.0 | 51 | 14 |
| 107.0 | 65.0 | 29 24.0 | 118 29.0 | OR | 57 06 18 | 0126 | 139 | 424 | 3.27 | 100.0 | 40 | 237 |
| 107.0 | 70.0 | 29 14.0 | 118 46.0 | OR | 57 06 17 | 2241 | 140 | 435 | 3.21 | 100.0 | 113 | 101 |
| 107.0 | 75.0 | 29 05.0 | 119 02.0 | OR | 57 06 17 | 1956 | 139 | 452 | 3.08 | 100.0 | 94 | 53 |
| 107.0 | 80.0 | 28 56.0 | 119 21.0 | OR | 57 06 17 | 1711 | 134 | 376 | 3.56 | 100.0 | 74 | 827 |
| 107.0 | 85.0 | 28 46.0 | 119 37.0 | OR | 57 06 17 | 1426 | 140 | 438 | 3.19 | 25.0 | 13 | 360 |
| 107.0 | 90.0 | 28 37.0 | 119 55.0 | OR | 57 06 17 | 1151 | 142 | 444 | 3.20 | 50.0 | 89 | 773 |
| 110.0 | 33.0 | 29 52.0 | 116 04.5 | HO | 57 06 20 | 2152 | 115 | 360 | 3.19 | 100.0 | 10 | 34 |
| 110.0 | 35.0 | 29 46.7 | 116 05.0 | HO | 57 06 20 | 2021 | 141 | 454 | 3.11 | 100.0 | 15 | 9 |
| 110.0 | 40.0 | 29 37.5 | 116 20.0 | HO | 57 06 20 | 1756 | 141 | 459 | 3.07 | 100.0 | 5 | 28 |
| 110.0 | 45.0 | 29 26.5 | 116 40.0 | HO | 57 06 20 | 1531 | 142 | 467 | 3.03 | 100.0 | 31 | 4 |
| 110.0 | 50.0 | 29 16.0 | 117 00.0 | HO | 57 06 20 | 1306 | 138 | 467 | 2.97 | 100.0 | 14 | 7 |
| 110.0 | 55.0 | 29 06.0 | 117 19.0 | HO | 57 06 20 | 1041 | 132 | 507 | 2.61 | 25.0 | 5 | 26 |
| 110.0 | 60.0 | 28 58.0 | 117 36.0 | HO | 57 06 20 | 0841 | 140 | 470 | 2.98 | 100.0 | 51 | 95 |
| 110.0 | 65.0 | 28 47.5 | 117 56.0 | HO | 57 06 20 | 0616 | 127 | 503 | 2.53 | 100.0 | 42 | 100 |
| 110.0 | 70.0 | 28 37.5 | 118 20.0 | HO | 57 06 20 | 0351 | 148 | 421 | 3.50 | 100.0 | 70 | 131 |
| 110.0 | 75.0 | 28 25.0 | 118 36.5 | HO | 57 06 20 | 0121 | 146 | 450 | 3.24 | 100.0 | 137 | 271 |
| 110.0 | 80.0 | 28 13.5 | 118 58.0 | HO | 57 06 19 | 2256 | 136 | 460 | 2.95 | 50.0 | 64 | 913 |
| 110.0 | 85.0 | 28 02.0 | 119 20.0 | HO | 57 06 19 | 2031 | 118 | 550 | 2.14 | 50.0 | 15 | 541 |
| 110.0 | 90.0 | 27 54.0 | 119 34.0 | HO | 57 06 19 | 1841 | 121 | 508 | 2.38 | 100.0 | 4 | 938 |
| 113.0 | 30.0 | 29 25.0 | 115 16.0 | HO | 57 06 18 | 1219 | 23 | 127 | 1.79 | 100.0 | 11 | 102 |
| 113.0 | 35.0 | 29 13.0 | 115 40.0 | HO | 57 06 18 | 1446 | 130 | 482 | 2.69 | 100.0 | 8 | 133 |
| 113.0 | 40.0 | 29 03.0 | 115 59.5 | HO | 57 06 18 | 1706 | 140 | 457 | 3.07 | 100.0 | 10 | 39 |
| 113.0 | 45.0 | 28 53.0 | 116 19.5 | HO | 57 06 18 | 1921 | 142 | 440 | 3.22 | 100.0 | 34 | 15 |
| 113.0 | 50.0 | 28 43.5 | 116 39.0 | HO | 57 06 18 | 2146 | 127 | 517 | 2.46 | 50.0 | 21 | 9 |
| 113.0 | 55.0 | 28 32.5 | 116 58.5 | HO | 57 06 19 | 0006 | 139 | 484 | 2.88 | 100.0 | 45 | 71 |
| 113.0 | 60.0 | 28 21.0 | 117 19.0 | HO | 57 06 19 | 0226 | 138 | 479 | 2.88 | 100.0 | 7 | 142 |
| 113.0 | 65.0 | 28 10.5 | 117 38.5 | HO | 57 06 19 | 0436 | 125 | 522 | 2.39 | 100.0 | 6 | 172 |
| 113.0 | 70.0 | 28 00.0 | 117 59.0 | HO | 57 06 19 | 0656 | 129 | 514 | 2.52 | 100.0 | 36 | 128 |
| 113.0 | 75.0 | 27 51.5 | 118 14.0 | HO | 57 06 19 | 0856 | 128 | 504 | 2.54 | 100.0 | 57 | 896 |
| 113.0 | 80.0 | 27 44.5 | 118 34.0 | HO | 57 06 19 | 1101 | 123 | 487 | 2.52 | 50.0 | 29 | 823 |
| 113.0 | 85.0 | 27 36.0 | 118 51.0 | HO | 57 06 19 | 1306 | 141 | 481 | 2.93 | 100.0 | 12 | 633 |
| 113.0 | 90.0 | 27 26.5 | 119 12.0 | HO | 57 06 19 | 1516 | 140 | 462 | 3.03 | 100.0 | 34 | 260 |
| 117.0 | 26.0 | 28 57.5 | 114 47.0 | HO | 57 06 18 | 0808 | 49 | 323 | 1.50 | 25.0 | 105 | 65 |
| 117.0 | 30.0 | 28 51.0 | 115 01.0 | HO | 57 06 18 | 0613 | 75 | 221 | 3.39 | 50.0 | 59 | 526 |
| 117.0 | 35.0 | 28 39.0 | 115 18.0 | HO | 57 06 18 | 0341 | 127 | 519 | 2.45 | 100.0 | 84 | 175 |
| 117.0 | 40.0 | 28 28.0 | 115 38.5 | HO | 57 06 17 | 2246 | 86 | 633 | 1.36 | 100.0 | 197 | 74 |
| 117.0 | 45.0 | 28 15.5 | 116 01.0 | HO | 57 06 17 | 1946 | 80 | 627 | 1.28 | 100.0 | 73 | 71 |
| 117.0 | 50.0 | 28 06.0 | 116 19.0 | HO | 57 06 17 | 1721 | 144 | 459 | 3.13 | 100.0 | 14 | 20 |
| 117.0 | 55.0 | 27 57.0 | 116 35.0 | HO | 57 06 17 | 1451 | 129 | 499 | 2.58 | 100.0 | 8 | 30 |
| 117.0 | 60.0 | 27 45.0 | 116 52.5 | HO | 57 06 17 | 1221 | 130 | 529 | 2.46 | 100.0 | 7 | 20 |
| 117.0 | 65.0 | 27 36.0 | 117 14.0 | HO | 57 06 17 | 0951 | 124 | 522 | 2.38 | 100.0 | 10 | 14 |
| 117.0 | 70.0 | 27 27.5 | 117 32.5 | HO | 57 06 17 | 0731 | 126 | 511 | 2.46 | 100.0 | 4 | 41 |

TABLE 1. (cont.)

| CalCOFI Cruise 5706 | | | | | | | | | | | | |
|---------------------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
| 117.0 | 75.0 | 27 18.0 | 117 52.0 | HO | 57 06 17 | 0506 | 140 | 496 | 2.82 | 50.0 | 162 | 89 |
| 117.0 | 80.0 | 27 08.0 | 118 11.5 | HO | 57 06 17 | 0231 | 153 | 441 | 3.46 | 100.0 | 146 | 119 |
| 117.0 | 85.0 | 26 58.0 | 118 30.0 | HO | 57 06 16 | 2356 | 144 | 432 | 3.33 | 100.0 | 21 | 10 |
| 117.0 | 90.0 | 26 47.0 | 118 49.5 | HO | 57 06 16 | 1906 | 146 | 454 | 3.21 | 100.0 | 38 | 46 |
| 118.0 | 39.0 | 28 18.5 | 115 24.0 | HO | 57 06 18 | 0051 | 126 | 521 | 2.41 | 50.0 | 8 | 11 |
| 119.0 | 33.0 | 28 21.0 | 114 53.0 | HO | 57 06 15 | 0738 | 83 | 302 | 2.74 | 100.0 | 260 | 554 |
| 120.0 | 25.0 | 28 23.5 | 114 16.0 | HO | 57 06 15 | 0408 | 54 | 215 | 2.52 | 100.0 | 432 | 1036 |
| 120.0 | 30.0 | 28 09.5 | 114 34.0 | HO | 57 06 15 | 0148 | 76 | 230 | 3.30 | 100.0 | 225 | 577 |
| 120.0 | 35.0 | 28 01.2 | 114 54.0 | HO | 57 06 14 | 2328 | 51 | 300 | 1.71 | 50.0 | 1144 | 11 |
| 120.0 | 40.0 | 27 56.5 | 115 14.0 | HO | 57 06 15 | 1444 | 27 | 152 | 1.79 | 100.0 | 16 | 289 |
| 120.0 | 45.0 | 27 43.0 | 115 33.0 | HO | 57 06 15 | 1706 | 146 | 454 | 3.21 | 100.0 | 48 | 269 |
| 120.0 | 50.0 | 27 33.0 | 115 53.0 | HO | 57 06 15 | 1936 | 130 | 513 | 2.53 | 100.0 | 5 | 129 |
| 120.0 | 55.0 | 27 24.0 | 116 13.0 | HO | 57 06 15 | 2201 | 121 | 534 | 2.26 | 100.0 | 1 | 50 |
| 120.0 | 60.0 | 27 14.0 | 116 34.0 | HO | 57 06 16 | 0026 | 150 | 408 | 3.68 | 100.0 | 4 | 230 |
| 120.0 | 65.0 | 27 03.5 | 116 55.5 | HO | 57 06 16 | 0256 | 145 | 422 | 3.43 | 100.0 | 9 | 333 |
| 120.0 | 70.0 | 26 54.0 | 117 16.0 | HO | 57 06 16 | 0526 | 136 | 474 | 2.87 | 100.0 | 20 | 409 |
| 120.0 | 75.0 | 26 42.0 | 117 32.0 | HO | 57 06 16 | 0731 | 142 | 407 | 3.49 | 100.0 | 22 | 497 |
| 120.0 | 80.0 | 26 32.5 | 117 48.5 | HO | 57 06 16 | 0956 | 122 | 531 | 2.31 | 100.0 | 101 | 45 |
| 120.0 | 85.0 | 26 23.0 | 118 07.0 | HO | 57 06 16 | 1211 | 137 | 485 | 2.82 | 100.0 | 185 | 158 |
| 120.0 | 90.0 | 26 13.0 | 118 27.0 | HO | 57 06 16 | 1431 | 138 | 454 | 3.05 | 100.0 | 125 | 107 |
| 123.0 | 37.0 | 27 22.5 | 114 39.5 | HO | 57 06 14 | 1743 | 57 | 264 | 2.16 | 100.0 | 14 | 119 |
| 123.0 | 42.0 | 27 14.5 | 114 57.0 | HO | 57 06 14 | 1511 | 144 | 467 | 3.08 | 100.0 | 42 | 50 |
| 123.0 | 50.0 | 27 01.0 | 115 29.0 | HO | 57 06 14 | 1151 | 147 | 463 | 3.17 | 100.0 | 15 | 49 |
| 123.0 | 55.0 | 26 49.5 | 115 46.0 | HO | 57 06 14 | 0941 | 139 | 508 | 2.73 | 100.0 | 48 | 122 |
| 123.0 | 60.0 | 26 39.5 | 116 03.0 | HO | 57 06 14 | 0726 | 139 | 465 | 2.98 | 100.0 | 62 | 39 |
| 127.0 | 34.0 | 26 55.3 | 114 06.0 | HO | 57 06 13 | 1525 | 58 | 267 | 2.18 | 100.0 | 1 | 83 |
| 127.0 | 40.0 | 26 43.5 | 114 29.5 | HO | 57 06 13 | 1756 | 138 | 499 | 2.77 | 50.0 | 6 | 14 |
| 127.0 | 45.0 | 26 33.5 | 114 48.7 | HO | 57 06 13 | 2021 | 139 | 503 | 2.77 | 100.0 | 59 | 58 |
| 127.0 | 50.0 | 26 23.5 | 115 08.0 | HO | 57 06 13 | 2226 | 143 | 497 | 2.88 | 100.0 | 21 | 46 |
| 127.0 | 55.0 | 26 14.5 | 115 24.0 | HO | 57 06 14 | 0051 | 132 | 570 | 2.32 | 100.0 | 26 | 15 |
| 127.0 | 60.0 | 26 05.5 | 115 42.0 | HO | 57 06 14 | 0311 | 143 | 512 | 2.78 | 100.0 | 195 | 6 |
| 130.0 | 30.0 | 26 33.5 | 113 27.0 | HO | 57 06 13 | 1119 | 140 | 154 | 2.59 | 100.0 | 2 | 348 |
| 130.0 | 35.0 | 26 24.0 | 113 41.0 | HO | 57 06 13 | 0923 | 69 | 223 | 3.10 | 100.0 | 5 | 124 |
| 130.0 | 40.0 | 26 11.0 | 114 02.0 | HO | 57 06 13 | 0651 | 142 | 454 | 3.13 | 100.0 | 29 | 32 |
| 130.0 | 45.0 | 25 59.0 | 114 25.0 | HO | 57 06 13 | 0421 | 141 | 472 | 2.98 | 100.0 | 4 | 7 |
| 130.0 | 50.0 | 25 49.0 | 114 46.0 | HO | 57 06 13 | 0146 | 150 | 451 | 3.33 | 100.0 | 7 | 18 |
| 130.0 | 55.0 | 25 39.0 | 115 35.0 | HO | 57 06 12 | 2316 | 142 | 479 | 2.97 | 100.0 | 14 | 2 |
| 130.0 | 60.0 | 25 29.0 | 115 24.0 | HO | 57 06 12 | 1821 | 143 | 470 | 3.04 | 100.0 | 3 | 23 |
| 133.0 | 25.0 | 26 00.0 | 112 45.5 | HO | 57 06 12 | 0053 | 70 | 219 | 3.20 | 25.0 | 127 | 9 |
| 133.0 | 30.0 | 25 49.5 | 113 03.0 | HO | 57 06 12 | 0316 | 150 | 440 | 3.41 | 25.0 | 5 | 76 |
| 133.0 | 35.0 | 25 38.0 | 113 23.0 | HO | 57 06 12 | 0531 | 127 | 534 | 2.38 | 25.0 | 10 | 50 |
| 133.0 | 40.0 | 25 33.5 | 113 43.5 | HO | 57 06 12 | 0751 | 131 | 493 | 2.66 | 100.0 | 27 | 49 |
| 133.0 | 45.0 | 25 22.5 | 114 03.0 | HO | 57 06 12 | 1016 | 115 | 549 | 2.10 | 100.0 | 1 | 222 |
| 133.0 | 50.0 | 25 13.0 | 114 24.0 | HO | 57 06 12 | 1251 | 149 | 442 | 3.36 | 100.0 | 2 | 169 |
| 137.0 | 23.0 | 25 37.0 | 112 22.0 | HO | 57 06 11 | 2058 | 60 | 228 | 2.62 | 6.2 | 3 | 0 |

TABLE 1. (cont.)

CalCOFI Cruise 5706

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 137.0 | 30.0 | 25 22.0 | 112 45.0 | HO | 57 06 11 | 1736 | 136 | 518 | 2.63 | 25.0 | 1 | 16 |
| 137.0 | 35.0 | 25 11.0 | 113 04.0 | HO | 57 06 11 | 1501 | 128 | 520 | 2.45 | 100.0 | 2 | 9 |
| 137.0 | 40.0 | 24 52.5 | 113 23.0 | HO | 57 06 11 | 1121 | 132 | 521 | 2.53 | 100.0 | 5 | 17 |
| 137.0 | 45.0 | 24 41.0 | 113 46.0 | HO | 57 06 11 | 0826 | 118 | 567 | 2.09 | 100.0 | 40 | 39 |
| 137.0 | 50.0 | 24 32.5 | 114 04.5 | HO | 57 06 11 | 0541 | 147 | 454 | 3.25 | 100.0 | 12 | 13 |
| 140.0 | 30.0 | 24 45.5 | 112 24.0 | HO | 57 06 10 | 1433 | 86 | 396 | 2.17 | 25.0 | 0 | 57 |
| 140.0 | 35.0 | 24 36.0 | 112 43.0 | HO | 57 06 10 | 1701 | 146 | 436 | 3.34 | 100.0 | 0 | 9 |
| 140.0 | 40.0 | 24 25.0 | 113 02.0 | HO | 57 06 10 | 1926 | 139 | 500 | 2.78 | 100.0 | 97 | 13 |
| 140.0 | 50.0 | 24 04.0 | 113 43.0 | HO | 57 06 11 | 0036 | 174 | 455 | 3.83 | 100.0 | 153 | 15 |
| 143.0 | 30.0 | 24 04.5 | 112 03.5 | HO | 57 06 09 | 1151 | 149 | 346 | 4.31 | 50.0 | 0 | 19 |
| 143.0 | 35.0 | 23 56.0 | 112 19.5 | HO | 57 06 09 | 0931 | 126 | 323 | 3.89 | 50.0 | 0 | 150 |
| 143.0 | 40.0 | 23 46.5 | 112 38.0 | HO | 57 06 09 | 0636 | 146 | 388 | 3.77 | 388 | 9 | 184 |
| 143.0 | 50.0 | 23 28.5 | 113 15.0 | HO | 57 06 09 | 0136 | 149 | 424 | 3.52 | 100.0 | 186 | 151 |
| 148.0 | 20.0 | 23 40.5 | 110 56.0 | HO | 57 06 08 | 0146 | 132 | 455 | 2.91 | 100.0 | 74 | 20 |
| 148.0 | 25.0 | 23 31.0 | 111 14.5 | HO | 57 06 08 | 0406 | 149 | 409 | 3.65 | 100.0 | 53 | 256 |
| 148.0 | 30.0 | 23 20.0 | 111 34.5 | HO | 57 06 08 | 0701 | 147 | 423 | 3.47 | 50.0 | 59 | 108 |
| 148.0 | 40.0 | 22 58.0 | 112 14.0 | HO | 57 06 08 | 1206 | 136 | 448 | 3.03 | 50.0 | 23 | 74 |
| 148.0 | 50.0 | 22 40.5 | 112 53.0 | HO | 57 06 08 | 1651 | 147 | 445 | 3.32 | 100.0 | 8 | 710 |
| 153.0 | 16.0 | 22 55.0 | 110 07.0 | ST | 57 06 07 | 0501 | 134 | 448 | 2.98 | 50.0 | 72 | 94 |
| 153.0 | 20.0 | 22 48.0 | 110 22.0 | ST | 57 06 07 | 0736 | 133 | 446 | 2.98 | 100.0 | 10 | 30 |
| 153.0 | 25.0 | 22 37.0 | 110 40.0 | ST | 57 06 07 | 1121 | 114 | 463 | 2.46 | 50.0 | 27 | 210 |
| 153.0 | 30.0 | 22 27.0 | 110 59.0 | ST | 57 06 07 | 1341 | 138 | 406 | 3.40 | 100.0 | 16 | 37 |
| 153.0 | 40.0 | 22 04.0 | 111 35.0 | ST | 57 06 07 | 1821 | 138 | 415 | 3.33 | 100.0 | 15 | 67 |
| 157.0 | 15.0 | 22 23.0 | 109 41.0 | ST | 57 06 08 | 1321 | 136 | 410 | 3.32 | 50.0 | 20 | 71 |
| 157.0 | 20.0 | 22 04.0 | 109 58.0 | ST | 57 06 08 | 0951 | 124 | 447 | 2.78 | 50.0 | 59 | 358 |
| 157.0 | 25.0 | 21 55.0 | 110 16.0 | ST | 57 06 08 | 0731 | 124 | 446 | 2.77 | 50.0 | 123 | 66 |
| 157.0 | 30.0 | 21 47.0 | 110 33.0 | ST | 57 06 08 | 0401 | 133 | 458 | 2.90 | 50.0 | 105 | 19 |
| 157.0 | 40.0 | 21 28.0 | 111 12.0 | ST | 57 06 07 | 2306 | 123 | 480 | 2.57 | 100.0 | 114 | 30 |

TABLE 1. (cont.)

CalCOFI Cruise 5707

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 60.0 | 55.0 | 37 47.3 | 123 15.0 | ST | 57 07 19 | 1907 | 112 | 330 | 3.38 | 50.0 | 12 | 35 |
| 60.0 | 60.0 | 37 37.0 | 123 37.1 | ST | 57 07 19 | 2151 | 143 | 439 | 3.25 | 50.0 | 11 | 8 |
| 60.0 | 70.0 | 37 16.6 | 124 16.5 | ST | 57 07 20 | 0234 | 161 | 356 | 4.51 | 25.0 | 4 | 2 |
| 63.0 | 52.0 | 37 18.5 | 122 36.5 | ST | 57 07 19 | 1224 | 60 | 229 | 2.64 | 25.0 | 4 | 58 |
| 63.0 | 55.0 | 37 12.2 | 122 49.5 | ST | 57 07 19 | 1106 | 126 | 498 | 2.53 | 25.0 | 15 | 42 |
| 63.0 | 60.0 | 37 02.0 | 123 12.0 | ST | 57 07 19 | 0811 | 145 | 406 | 3.57 | 25.0 | 6 | 6 |
| 63.0 | 70.0 | 36 42.5 | 123 55.0 | ST | 57 07 19 | 0311 | 151 | 401 | 3.76 | 100.0 | 30 | 23 |
| 63.0 | 80.0 | 36 24.0 | 124 39.0 | ST | 57 07 23 | 0856 | 121 | 534 | 2.26 | 50.0 | 15 | 4 |
| 67.0 | 55.0 | 36 39.6 | 122 28.7 | ST | 57 07 18 | 1011 | 139 | 437 | 3.18 | 50.0 | 29 | 134 |
| 67.0 | 60.0 | 36 28.0 | 122 47.0 | ST | 57 07 18 | 1311 | 139 | 415 | 3.34 | 100.0 | 11 | 63 |
| 67.0 | 70.0 | 36 08.0 | 123 29.6 | ST | 57 07 18 | 0640 | 157 | 394 | 3.99 | 100.0 | 14 | 23 |
| 67.0 | 80.0 | 35 52.0 | 124 14.5 | ST | 57 07 23 | 1311 | 144 | 448 | 3.23 | 100.0 | 5 | 9 |
| 70.0 | 52.0 | 36 08.5 | 121 49.8 | ST | 57 07 17 | 0714 | 140 | 449 | 3.12 | 50.0 | 17 | 78 |
| 70.0 | 55.0 | 36 02.5 | 122 01.0 | ST | 57 07 17 | 0541 | 145 | 424 | 3.43 | 25.0 | 1 | 39 |
| 70.0 | 60.0 | 35 52.6 | 122 22.4 | ST | 57 07 17 | 0141 | 147 | 415 | 3.54 | 50.0 | 5 | 27 |
| 70.0 | 70.0 | 35 34.5 | 122 56.0 | ST | 57 07 16 | 2031 | 114 | 543 | 2.10 | 50.0 | 7 | 265 |
| 70.0 | 80.0 | 35 36.6 | 121 17.7 | ST | 57 07 16 | 0048 | 63 | 264 | 2.38 | 50.0 | 6 | 0 |
| 73.0 | 55.0 | 35 29.0 | 121 36.2 | ST | 57 07 16 | 0346 | 147 | 430 | 3.42 | 25.0 | 7 | 9 |
| 73.0 | 60.0 | 35 20.0 | 121 57.5 | ST | 57 07 16 | 0726 | 144 | 452 | 3.18 | 50.0 | 2 | 10 |
| 73.0 | 70.0 | 35 03.2 | 122 38.0 | ST | 57 07 16 | 1251 | 156 | 418 | 3.72 | 25.0 | 2 | 167 |
| 77.0 | 50.0 | 35 03.5 | 120 51.6 | ST | 57 07 15 | 1904 | 95 | 289 | 3.30 | 100.0 | 4 | 17 |
| 77.0 | 55.0 | 34 55.0 | 121 13.0 | ST | 57 07 15 | 1611 | 141 | 429 | 3.28 | 100.0 | 3 | 9 |
| 77.0 | 60.0 | 34 47.0 | 121 32.6 | ST | 57 07 15 | 1256 | 143 | 400 | 3.58 | 100.0 | 17 | 5 |
| 77.0 | 70.0 | 34 24.5 | 122 16.0 | ST | 57 07 15 | 0726 | 150 | 397 | 3.77 | 100.0 | 12 | 120 |
| 77.0 | 80.0 | 34 04.5 | 122 56.8 | ST | 57 07 15 | 0133 | 150 | 413 | 3.65 | 100.0 | 27 | 26 |
| 77.0 | 90.0 | 33 14.4 | 123 40.6 | ST | 57 07 14 | 2011 | 141 | 466 | 3.04 | 100.0 | 8 | 14 |
| 80.0 | 51.0 | 34 26.5 | 120 31.6 | PT | 57 07 09 | 1513 | 59 | 226 | 2.61 | 100.0 | 33 | 155 |
| 80.0 | 55.0 | 34 19.0 | 120 48.3 | PT | 57 07 09 | 1921 | 140 | 495 | 2.83 | 50.0 | 118 | 11 |
| 80.0 | 60.0 | 34 09.0 | 121 09.1 | PT | 57 07 09 | 2326 | 155 | 481 | 3.22 | 50.0 | 46 | 46 |
| 80.0 | 70.0 | 33 47.0 | 121 49.8 | ST | 57 07 14 | 0443 | 151 | 404 | 3.73 | 25.0 | 3 | 13 |
| 80.0 | 80.0 | 33 26.0 | 122 30.2 | ST | 57 07 14 | 1016 | 129 | 499 | 2.59 | 50.0 | 7 | 17 |
| 80.0 | 90.0 | 33 09.0 | 123 13.0 | ST | 57 07 14 | 1456 | 134 | 492 | 2.72 | 100.0 | 17 | 19 |
| 82.0 | 47.0 | 34 15.0 | 119 58.0 | PT | 57 07 10 | 1916 | 138 | 524 | 2.64 | 100.0 | 41 | 903 |
| 83.0 | 40.0 | 34 14.0 | 119 22.0 | PT | 57 07 11 | 0449 | 14 | 123 | 1.16 | 100.0 | 233 | 783 |
| 83.0 | 43.0 | 34 08.0 | 119 34.0 | PT | 57 07 11 | 0201 | 75 | 98 | 1.07 | 50.0 | 399 | 113 |
| 83.0 | 51.0 | 33 52.1 | 120 07.6 | PT | 57 07 10 | 1448 | 80 | 332 | 2.43 | 100.0 | 21 | 387 |
| 83.0 | 55.0 | 33 47.0 | 120 23.0 | PT | 57 07 10 | 1216 | 141 | 494 | 2.85 | 100.0 | 26 | 12 |
| 83.0 | 60.0 | 33 35.0 | 120 45.8 | PT | 57 07 10 | 0731 | 140 | 524 | 2.68 | 50.0 | 10 | 13 |
| 83.0 | 65.0 | 33 24.7 | 121 05.2 | ST | 57 07 13 | 2254 | 144 | 439 | 3.28 | 50.0 | 11 | 17 |
| 83.0 | 70.0 | 33 10.6 | 121 28.5 | ST | 57 07 13 | 1956 | 140 | 483 | 2.89 | 100.0 | 11 | 72 |
| 83.0 | 75.0 | 33 03.0 | 121 45.0 | ST | 57 07 13 | 1651 | 149 | 418 | 3.55 | 100.0 | 3 | 5 |
| 83.0 | 80.0 | 32 55.0 | 122 04.5 | ST | 57 07 13 | 1413 | 159 | 402 | 3.94 | 100.0 | 1 | 7 |
| 83.0 | 85.0 | 32 45.0 | 122 25.0 | ST | 57 07 13 | 1111 | 137 | 491 | 2.78 | 100.0 | 4 | 12 |
| 87.0 | 36.0 | 33 49.8 | 118 37.3 | PT | 57 07 11 | 1046 | 134 | 521 | 2.58 | 100.0 | 13 | 48 |
| 87.0 | 45.0 | 33 30.2 | 119 19.2 | PT | 57 07 11 | 1945 | 136 | 504 | 2.69 | 50.0 | 18 | 0 |

TABLE 1. (cont.)

CalCOFI Cruise 5707

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 87.0 | 50.0 | 33 19.8 | 119 39.5 | PT | 57 07 12 | 0233 | 64 | 268 | 2.37 | 100.0 | 148 | 232 |
| 87.0 | 55.0 | 33 14.5 | 120 02.0 | PT | 57 07 12 | 0641 | 135 | 472 | 2.86 | 100.0 | 34 | 39 |
| 87.0 | 60.0 | 33 01.8 | 120 28.5 | PT | 57 07 12 | 1056 | 140 | 515 | 2.72 | 100.0 | 11 | 13 |
| 87.0 | 65.0 | 32 50.8 | 120 43.2 | ST | 57 07 09 | 1221 | 143 | 422 | 3.40 | 100.0 | 8 | 42 |
| 87.0 | 70.0 | 32 42.5 | 121 03.6 | ST | 57 07 09 | 1546 | 165 | 352 | 4.69 | 25.0 | 4 | 5 |
| 87.0 | 75.0 | 32 33.5 | 121 23.1 | ST | 57 07 09 | 1856 | 154 | 402 | 3.82 | 100.0 | 5 | 1 |
| 87.0 | 85.0 | 32 10.2 | 122 04.0 | ST | 57 07 10 | 0131 | 144 | 411 | 3.51 | 100.0 | 13 | 5 |
| 87.0 | 90.0 | 31 57.0 | 122 24.2 | ST | 57 07 10 | 0501 | 148 | 424 | 3.49 | 25.0 | 9 | 7 |
| 90.0 | 28.0 | 33 27.5 | 117 46.3 | PT | 57 07 16 | 0931 | 140 | 670 | 2.00 | 100.0 | 20 | 20 |
| 90.0 | 30.0 | 33 24.1 | 117 54.9 | PT | 57 07 16 | 0641 | 136 | 520 | 2.62 | 100.0 | 11 | 55 |
| 90.0 | 37.0 | 33 09.0 | 118 27.9 | PT | 57 07 15 | 0541 | 132 | 543 | 2.43 | 100.0 | 106 | 22 |
| 90.0 | 45.0 | 32 54.8 | 118 56.2 | PT | 57 07 14 | 2251 | 129 | 548 | 2.35 | 50.0 | 112 | 14 |
| 90.0 | 50.0 | 32 44.6 | 119 16.8 | PT | 57 07 14 | 1851 | 121 | 580 | 2.09 | 25.0 | 10 | 16 |
| 90.0 | 55.0 | 32 34.5 | 119 37.2 | PT | 57 07 14 | 1341 | 83 | 703 | 1.18 | 50.0 | 74 | 118 |
| 90.0 | 60.0 | 32 36.0 | 119 55.7 | PT | 57 07 14 | 0941 | 124 | 529 | 2.34 | 100.0 | 32 | 268 |
| 90.0 | 65.0 | 32 26.1 | 120 13.0 | PT | 57 07 14 | 0636 | 131 | 502 | 2.61 | 100.0 | 5 | 47 |
| 90.0 | 70.0 | 32 12.5 | 120 34.0 | PT | 57 07 13 | 2331 | 140 | 510 | 2.74 | 50.0 | 6 | 5 |
| 90.0 | 75.0 | 31 57.5 | 120 59.0 | PT | 57 07 13 | 1916 | 131 | 543 | 2.41 | 50.0 | 4 | 7 |
| 90.0 | 80.0 | 31 44.0 | 121 23.6 | PT | 57 07 13 | 1456 | 137 | 532 | 2.57 | 100.0 | 16 | 52 |
| 90.0 | 85.0 | 31 30.3 | 121 45.6 | PT | 57 07 13 | 1041 | 150 | 472 | 3.17 | 100.0 | 4 | 3 |
| 90.0 | 90.0 | 31 22.6 | 122 02.3 | PT | 57 07 13 | 0511 | 140 | 531 | 2.64 | 50.0 | 37 | 41 |
| 93.0 | 27.0 | 33 54.3 | 117 18.6 | PT | 57 07 16 | 1501 | 130 | 613 | 2.12 | 100.0 | 1 | 57 |
| 93.0 | 30.0 | 32 49.0 | 117 30.7 | PT | 57 07 18 | 1421 | 140 | 519 | 2.70 | 100.0 | 96 | 9 |
| 93.0 | 35.0 | 32 38.2 | 117 52.2 | PT | 57 07 18 | 1836 | 135 | 519 | 2.61 | 100.0 | 11 | 5 |
| 93.0 | 40.0 | 32 30.0 | 118 12.9 | PT | 57 07 18 | 2151 | 145 | 496 | 2.92 | 100.0 | 15 | 29 |
| 93.0 | 45.0 | 32 20.5 | 118 36.0 | PT | 57 07 19 | 0236 | 125 | 566 | 2.22 | 100.0 | 29 | 18 |
| 93.0 | 50.0 | 32 11.1 | 118 59.3 | PT | 57 07 19 | 0611 | 134 | 475 | 2.82 | 100.0 | 24 | 17 |
| 93.0 | 55.0 | 32 01.8 | 119 18.8 | PT | 57 07 19 | 1016 | 144 | 481 | 3.00 | 100.0 | 39 | 31 |
| 93.0 | 60.0 | 31 51.2 | 119 39.9 | PT | 57 07 19 | 1326 | 127 | 544 | 2.33 | 100.0 | 15 | 26 |
| 93.0 | 65.0 | 31 40.0 | 119 59.5 | PT | 57 07 19 | 1746 | 126 | 565 | 2.23 | 100.0 | 27 | 64 |
| 93.0 | 70.0 | 31 29.0 | 120 20.5 | PT | 57 07 19 | 2106 | 159 | 415 | 3.84 | 100.0 | 54 | 15 |
| 93.0 | 75.0 | 31 18.1 | 120 40.8 | PT | 57 07 20 | 0146 | 149 | 417 | 3.58 | 100.0 | 93 | 274 |
| 93.0 | 80.0 | 31 07.4 | 121 00.5 | PT | 57 07 20 | 0526 | 137 | 531 | 2.59 | 100.0 | 105 | 693 |
| 93.0 | 85.0 | 30 56.0 | 121 21.3 | PT | 57 07 20 | 0921 | 141 | 495 | 2.85 | 100.0 | 4 | 141 |
| 93.0 | 90.0 | 30 49.3 | 121 35.0 | PT | 57 07 20 | 1211 | 134 | 544 | 2.46 | 100.0 | 2 | 86 |
| 97.0 | 30.0 | 32 15.0 | 117 08.1 | PT | 57 07 22 | 1444 | 38 | 191 | 1.99 | 100.0 | 32 | 415 |
| 97.0 | 32.0 | 32 10.2 | 117 15.3 | PT | 57 07 22 | 1251 | 117 | 537 | 2.18 | 100.0 | 10 | 9 |
| 97.0 | 40.0 | 31 56.4 | 117 45.0 | PT | 57 07 22 | 0716 | 125 | 546 | 2.29 | 100.0 | 211 | 23 |
| 97.0 | 45.0 | 31 47.8 | 118 02.7 | PT | 57 07 22 | 0416 | 137 | 500 | 2.73 | 100.0 | 5 | 1 |
| 97.0 | 50.0 | 31 36.7 | 118 24.0 | PT | 57 07 22 | 2321 | 139 | 523 | 2.66 | 100.0 | 18 | 3 |
| 97.0 | 55.0 | 31 26.5 | 118 44.0 | PT | 57 07 21 | 2016 | 138 | 483 | 2.86 | 100.0 | 31 | 7 |
| 97.0 | 60.0 | 31 15.5 | 119 03.9 | PT | 57 07 21 | 1611 | 130 | 534 | 2.43 | 100.0 | 33 | 21 |
| 97.0 | 65.0 | 31 05.0 | 119 24.2 | PT | 57 07 21 | 1256 | 140 | 542 | 2.58 | 100.0 | 7 | 18 |
| 97.0 | 70.0 | 30 54.0 | 119 43.0 | PT | 57 07 21 | 0901 | 147 | 498 | 2.95 | 100.0 | 89 | 158 |
| 97.0 | 75.0 | 30 44.8 | 120 05.2 | PT | 57 07 21 | 0541 | 140 | 493 | 2.85 | 100.0 | 83 | 120 |

TABLE 1. (cont.)

CalCOFI Cruise 5707

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 97.0 | 80.0 | 30 35.8 | 120 26.8 | PT | 57 07 21 | 0136 | 141 | 510 | 2.77 | 100.0 | 39 | 265 |
| 97.0 | 85.0 | 30 25.8 | 120 49.5 | PT | 57 07 20 | 2201 | 144 | 510 | 2.82 | 100.0 | 0 | 0 |
| 97.0 | 90.0 | 30 17.3 | 121 12.0 | PT | 57 07 20 | 1756 | 137 | 546 | 2.51 | 100.0 | 48 | 160 |
| 100.0 | 29.0 | 31 42.2 | 116 43.4 | PT | 57 07 24 | 1541 | 111 | 587 | 1.89 | 100.0 | 1 | 1 |
| 100.0 | 32.0 | 31 34.7 | 116 58.7 | PT | 57 07 24 | 1826 | 138 | 489 | 2.82 | 100.0 | 17 | 37 |
| 100.0 | 40.0 | 31 21.2 | 117 32.5 | PT | 57 07 25 | 0046 | 139 | 526 | 2.65 | 100.0 | 37 | 29 |
| 100.0 | 45.0 | 31 12.0 | 117 56.0 | PT | 57 07 25 | 0521 | 139 | 500 | 2.86 | 100.0 | 11 | 100 |
| 100.0 | 50.0 | 31 02.8 | 118 19.5 | PT | 57 07 25 | 0841 | 139 | 500 | 2.79 | 100.0 | 71 | 645 |
| 100.0 | 55.0 | 30 53.2 | 118 45.0 | PT | 57 07 25 | 1511 | 136 | 524 | 2.60 | 100.0 | 22 | 94 |
| 100.0 | 60.0 | 30 40.8 | 118 46.8 | PT | 57 07 25 | 1511 | 139 | 511 | 2.72 | 100.0 | 13 | 142 |
| 100.0 | 65.0 | 30 28.0 | 119 06.0 | PT | 57 07 25 | 1911 | 133 | 508 | 2.62 | 100.0 | 226 | 490 |
| 100.0 | 75.0 | 30 05.2 | 119 42.2 | PT | 57 07 26 | 0116 | 145 | 458 | 3.17 | 100.0 | 553 | 145 |
| 103.0 | 30.0 | 31 05.2 | 116 25.0 | PT | 57 07 27 | 1359 | 29 | 180 | 1.63 | 100.0 | 40 | 114 |
| 103.0 | 35.0 | 30 59.3 | 116 44.7 | PT | 57 07 27 | 1051 | 154 | 488 | 3.15 | 100.0 | 4 | 3 |
| 103.0 | 40.0 | 30 49.3 | 117 04.2 | PT | 57 07 27 | 0706 | 139 | 478 | 2.90 | 100.0 | 6 | 1 |
| 103.0 | 45.0 | 30 37.7 | 117 23.5 | PT | 57 07 27 | 0426 | 138 | 487 | 2.83 | 100.0 | 11 | 41 |
| 103.0 | 50.0 | 30 24.4 | 117 41.8 | PT | 57 07 27 | 0025 | 133 | 536 | 2.47 | 100.0 | 30 | 231 |
| 103.0 | 55.0 | 30 11.6 | 118 00.7 | PT | 57 07 26 | 2106 | 136 | 531 | 2.56 | 100.0 | 53 | 79 |
| 103.0 | 60.0 | 29 59.5 | 118 18.0 | PT | 57 07 26 | 1721 | 137 | 514 | 2.67 | 100.0 | 189 | 470 |
| 103.0 | 65.0 | 29 46.3 | 118 37.9 | PT | 57 07 26 | 1411 | 136 | 512 | 2.65 | 100.0 | 69 | 260 |
| 103.0 | 70.0 | 29 40.0 | 118 49.6 | PT | 57 07 26 | 1046 | 145 | 472 | 3.07 | 100.0 | 9 | 364 |
| 103.0 | 75.0 | 29 29.5 | 119 10.0 | PT | 57 07 26 | 0731 | 138 | 524 | 2.63 | 100.0 | 74 | 114 |
| 107.0 | 32.0 | 30 26.0 | 116 11.0 | OR | 57 07 30 | 0721 | 141 | 385 | 3.67 | 100.0 | 6 | 37 |
| 107.0 | 35.0 | 30 20.0 | 116 23.0 | OR | 57 07 30 | 0906 | 141 | 405 | 3.49 | 100.0 | 24 | 27 |
| 107.0 | 40.0 | 30 10.5 | 116 42.0 | OR | 57 07 30 | 1441 | 139 | 604 | 2.30 | 100.0 | 20 | 45 |
| 107.0 | 45.0 | 30 00.5 | 117 03.0 | OR | 57 07 30 | 2026 | 142 | 433 | 3.21 | 100.0 | 23 | 102 |
| 107.0 | 50.0 | 29 50.0 | 117 23.5 | OR | 57 07 31 | 0036 | 141 | 435 | 3.23 | 100.0 | 6 | 23 |
| 107.0 | 55.0 | 29 40.0 | 117 45.5 | OR | 57 07 31 | 0326 | 141 | 415 | 3.40 | 100.0 | 5 | 73 |
| 107.0 | 60.0 | 29 29.0 | 118 07.5 | OR | 57 07 31 | 0641 | 139 | 414 | 3.36 | 100.0 | 137 | 237 |
| 107.0 | 65.0 | 29 21.0 | 118 22.0 | OR | 57 07 31 | 0926 | 141 | 418 | 3.38 | 100.0 | 137 | 161 |
| 107.0 | 70.0 | 29 11.0 | 118 43.0 | OR | 57 07 31 | 1311 | 140 | 431 | 3.25 | 100.0 | 48 | 168 |
| 107.0 | 75.0 | 29 01.0 | 119 02.5 | OR | 57 07 31 | 1611 | 141 | 408 | 3.47 | 100.0 | 147 | 431 |
| 107.0 | 80.0 | 28 51.5 | 119 22.5 | OR | 57 07 31 | 1941 | 142 | 408 | 3.41 | 100.0 | 57 | 30 |
| 107.0 | 85.0 | 28 38.0 | 119 42.0 | OR | 57 07 31 | 2221 | 140 | 412 | 3.41 | 100.0 | 185 | 275 |
| 110.0 | 90.0 | 28 30.0 | 120 00.0 | OR | 57 08 03 | 0618 | 85 | 252 | 3.39 | 100.0 | 204 | 466 |
| 110.0 | 33.0 | 29 50.0 | 115 52.0 | OR | 57 08 03 | 0306 | 135 | 457 | 2.96 | 100.0 | 45 | 21 |
| 110.0 | 35.0 | 29 49.0 | 116 00.0 | OR | 57 08 03 | 2341 | 137 | 459 | 2.98 | 100.0 | 36 | 84 |
| 110.0 | 40.0 | 29 36.0 | 116 19.5 | OR | 57 08 02 | 2046 | 140 | 433 | 3.24 | 100.0 | 103 | 107 |
| 110.0 | 45.0 | 29 26.0 | 116 39.0 | OR | 57 08 02 | 1721 | 140 | 425 | 3.29 | 100.0 | 51 | 53 |
| 110.0 | 50.0 | 29 16.0 | 116 59.0 | OR | 57 08 02 | 1426 | 142 | 429 | 3.30 | 100.0 | 43 | 70 |
| 110.0 | 55.0 | 29 06.5 | 117 18.5 | OR | 57 08 02 | 1111 | 141 | 449 | 3.15 | 100.0 | 33 | 167 |
| 110.0 | 60.0 | 28 57.0 | 117 38.0 | OR | 57 08 02 | 2141 | 142 | 328 | 4.33 | 100.0 | 261 | 185 |
| 110.0 | 65.0 | 28 46.5 | 117 58.0 | OR | 57 08 01 | 1811 | 142 | 414 | 3.42 | 100.0 | 12 | 132 |
| 110.0 | 70.0 | 28 38.5 | 118 20.5 | OR | 57 08 01 | 1516 | 141 | 382 | 3.70 | 100.0 | 35 | 270 |
| 110.0 | 75.0 | 28 26.0 | 118 38.0 | OR | 57 08 01 | | | | | | | |

TABLE 1. (cont.)

CalCOFI Cruise 5707

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 110.0 | 80.0 | 28 16.0 | 118 57.0 | OR | 57 08 01 | 1111 | 141 | 411 | 3.43 | 100.0 | 56 | 220 |
| 110.0 | 85.0 | 28 05.0 | 119 15.5 | OR | 57 08 01 | 0816 | 142 | 427 | 3.32 | 100.0 | 54 | 30 |
| 110.0 | 90.0 | 27 51.0 | 119 36.0 | OR | 57 08 01 | 0431 | 143 | 420 | 3.42 | 100.0 | 149 | 12 |
| 113.0 | 30.0 | 29 23.2 | 115 21.4 | OR | 57 07 23 | 2144 | 45 | 215 | 2.07 | 100.0 | 151 | 452 |
| 113.0 | 35.0 | 29 12.0 | 115 39.0 | OR | 57 07 23 | 1436 | 139 | 352 | 3.95 | 100.0 | 124 | 46 |
| 113.0 | 40.0 | 28 59.5 | 115 58.5 | BD | 57 07 23 | 1006 | 136 | 426 | 3.20 | 100.0 | 10 | 13 |
| 113.0 | 45.0 | 28 50.6 | 116 20.2 | BD | 57 07 23 | 0626 | 138 | 414 | 3.33 | 100.0 | 0 | 32 |
| 113.0 | 50.0 | 28 42.0 | 116 37.5 | BD | 57 07 23 | 0206 | 142 | 368 | 3.87 | 100.0 | 12 | 249 |
| 113.0 | 55.0 | 28 29.0 | 116 56.3 | BD | 57 07 22 | 2206 | 139 | 397 | 3.50 | 50.0 | 9 | 146 |
| 113.0 | 60.0 | 28 16.0 | 117 10.7 | BD | 57 07 22 | 1821 | 145 | 396 | 3.67 | 100.0 | 24 | 147 |
| 113.0 | 65.0 | 28 11.3 | 117 28.5 | BD | 57 07 22 | 1531 | 139 | 405 | 3.43 | 100.0 | 60 | 46 |
| 113.0 | 70.0 | 27 56.3 | 117 57.0 | BD | 57 07 22 | 1156 | 140 | 399 | 3.50 | 100.0 | 68 | 198 |
| 113.0 | 75.0 | 27 48.3 | 118 14.0 | BD | 57 07 22 | 0906 | 138 | 414 | 3.33 | 100.0 | 12 | 90 |
| 113.0 | 80.0 | 27 39.0 | 118 32.5 | BD | 57 07 22 | 0506 | 146 | 402 | 3.62 | 100.0 | 30 | 93 |
| 117.0 | 26.0 | 28 55.8 | 114 40.5 | BD | 57 07 20 | 1233 | 70 | 205 | 3.40 | 100.0 | 39 | 629 |
| 117.0 | 30.0 | 28 47.8 | 114 56.3 | BD | 57 07 20 | 1437 | 91 | 249 | 3.64 | 100.0 | 18 | 390 |
| 117.0 | 35.0 | 28 38.0 | 115 16.0 | BD | 57 07 20 | 1736 | 142 | 376 | 3.79 | 100.0 | 10 | 478 |
| 117.0 | 40.0 | 28 28.0 | 115 35.5 | BD | 57 07 20 | 2316 | 141 | 419 | 3.35 | 100.0 | 58 | 25 |
| 117.0 | 45.0 | 28 18.0 | 115 55.2 | BD | 57 07 21 | 0301 | 143 | 383 | 3.74 | 100.0 | 16 | 212 |
| 117.0 | 50.0 | 28 10.3 | 116 16.8 | BD | 57 07 21 | 0546 | 139 | 416 | 3.34 | 100.0 | 7 | 153 |
| 117.0 | 55.0 | 28 04.0 | 116 33.0 | BD | 57 07 21 | 0821 | 134 | 444 | 3.01 | 100.0 | 28 | 264 |
| 117.0 | 60.0 | 27 53.0 | 116 52.8 | BD | 57 07 21 | 1116 | 132 | 446 | 2.96 | 100.0 | 109 | 195 |
| 117.0 | 65.0 | 27 42.5 | 117 13.0 | BD | 57 07 21 | 1456 | 142 | 386 | 3.68 | 100.0 | 37 | 169 |
| 117.0 | 70.0 | 27 31.3 | 117 34.0 | BD | 57 07 21 | 1756 | 141 | 428 | 3.30 | 100.0 | 5 | 411 |
| 117.0 | 75.0 | 27 18.0 | 117 52.0 | BD | 57 07 21 | 2101 | 138 | 390 | 3.37 | 100.0 | 39 | 381 |
| 117.0 | 80.0 | 27 08.0 | 118 11.0 | BD | 57 07 21 | 2341 | 142 | 423 | 3.64 | 100.0 | 14 | 226 |
| 118.0 | 39.0 | 28 18.5 | 115 24.0 | BD | 57 07 20 | 2041 | 139 | 423 | 3.29 | 100.0 | 4 | 80 |
| 119.0 | 33.0 | 28 19.0 | 114 53.0 | BD | 57 07 20 | 0754 | 39 | 298 | 3.43 | 100.0 | 208 | 333 |
| 120.0 | 25.0 | 28 23.0 | 114 14.5 | BD | 57 07 20 | 0448 | 85 | 262 | 2.97 | 100.0 | 290 | 1952 |
| 120.0 | 30.0 | 28 13.0 | 114 34.0 | BD | 57 07 20 | 0013 | 75 | 262 | 3.23 | 100.0 | 429 | 2075 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | BD | 57 07 19 | 2124 | 23 | 123 | 2.87 | 100.0 | 290 | 63 |
| 120.0 | 40.0 | 27 56.5 | 115 14.0 | BD | 57 07 19 | 1711 | 150 | 390 | 1.89 | 100.0 | 140 | 1857 |
| 120.0 | 45.0 | 27 43.0 | 115 33.0 | BD | 57 07 19 | 1336 | 144 | 395 | 3.85 | 50.0 | 0 | 6 |
| 120.0 | 50.0 | 27 31.2 | 115 52.5 | BD | 57 07 19 | 1111 | 138 | 412 | 3.65 | 100.0 | 1 | 21 |
| 120.0 | 55.0 | 27 23.2 | 116 08.8 | BD | 57 07 19 | 0831 | 140 | 397 | 3.34 | 100.0 | 4 | 97 |
| 120.0 | 60.0 | 27 14.0 | 116 27.7 | BD | 57 07 19 | 0546 | 143 | 404 | 3.52 | 100.0 | 9 | 159 |
| 120.0 | 65.0 | 27 04.0 | 116 47.8 | BD | 57 07 19 | 0236 | 141 | 419 | 3.54 | 100.0 | 33 | 344 |
| 120.0 | 70.0 | 26 53.5 | 117 08.2 | BD | 57 07 19 | 2356 | 142 | 417 | 3.36 | 100.0 | 61 | 151 |
| 120.0 | 75.0 | 26 43.8 | 117 28.2 | BD | 57 07 18 | 2016 | 142 | 410 | 3.40 | 100.0 | 27 | 265 |
| 120.0 | 80.0 | 26 32.5 | 117 48.5 | BD | 57 07 18 | 1633 | 142 | 410 | 3.48 | 100.0 | 0 | 0 |
| 123.0 | 37.0 | 27 24.0 | 114 39.7 | BD | 57 07 17 | 1901 | 68 | 236 | 2.90 | 100.0 | 18 | 271 |
| 123.0 | 42.0 | 27 13.7 | 114 59.7 | BD | 57 07 17 | 2316 | 138 | 440 | 3.13 | 100.0 | 17 | 251 |
| 123.0 | 50.0 | 26 58.0 | 115 30.5 | BD | 57 07 17 | 0216 | 135 | 463 | 2.91 | 100.0 | 48 | 197 |
| 123.0 | 55.0 | 26 48.2 | 115 49.7 | BD | 57 07 18 | 0446 | 137 | 443 | 3.09 | 100.0 | 204 | 65 |
| 123.0 | 60.0 | 26 37.2 | 116 06.6 | BD | 57 07 18 | | 139 | 450 | 3.09 | 100.0 | 112 | 37 |

TABLE 1. (cont.)

| CalCOFI Cruise 5707 | | | | | | | | | | | | |
|---------------------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
| 123.0 | 70.0 | 26 18.5 | 116 47.0 | BD | 57 07 18 | 1011 | 143 | 434 | 3.30 | 100.0 | 197 | 149 |
| 123.0 | 80.0 | 25 58.5 | 117 26.3 | BD | 57 07 18 | 1536 | 138 | 459 | 3.00 | 100.0 | 172 | 18 |
| 127.0 | 34.0 | 26 55.3 | 114 06.0 | BD | 57 07 17 | 1113 | 72 | 332 | 2.15 | 100.0 | 1 | 7 |
| 127.0 | 40.0 | 26 43.5 | 114 29.5 | BD | 57 07 17 | 0746 | 137 | 450 | 3.05 | 100.0 | 38 | 178 |
| 127.0 | 45.0 | 26 33.5 | 114 48.2 | BD | 57 07 17 | 0411 | 142 | 437 | 3.24 | 100.0 | 32 | 1163 |
| 127.0 | 50.0 | 26 23.5 | 115 08.0 | BD | 57 07 17 | 0201 | 138 | 443 | 3.12 | 100.0 | 108 | 55 |
| 127.0 | 55.0 | 26 13.5 | 115 27.2 | BD | 57 07 16 | 2311 | 142 | 439 | 3.23 | 100.0 | 156 | 51 |
| 127.0 | 60.0 | 26 03.5 | 115 46.5 | BD | 57 07 16 | 2006 | 133 | 460 | 2.90 | 100.0 | 52 | 78 |
| 127.0 | 70.0 | 25 44.0 | 116 24.5 | BD | 57 07 16 | 1406 | 141 | 401 | 3.53 | 100.0 | 6 | 17 |
| 130.0 | 30.0 | 26 29.0 | 113 29.0 | BD | 57 07 14 | 1848 | 66 | 257 | 2.59 | 25.0 | 4 | 37 |
| 130.0 | 35.0 | 26 19.0 | 113 48.5 | BD | 57 07 14 | 2126 | 134 | 483 | 2.76 | 12.5 | 28 | 26 |
| 130.0 | 40.0 | 26 09.0 | 114 07.5 | BD | 57 07 15 | 0031 | 137 | 414 | 3.30 | 50.0 | 257 | 21 |
| 130.0 | 45.0 | 25 59.0 | 114 25.7 | BD | 57 07 15 | 0411 | 136 | 460 | 2.95 | 100.0 | 35 | 283 |
| 130.0 | 50.0 | 25 49.0 | 114 46.0 | BD | 57 07 15 | 0746 | 134 | 437 | 3.08 | 100.0 | 16 | 86 |
| 130.0 | 55.0 | 25 39.0 | 115 04.0 | BD | 57 07 15 | 0956 | 134 | 480 | 2.79 | 100.0 | 5 | 13 |
| 130.0 | 60.0 | 25 29.0 | 115 24.0 | BD | 57 07 15 | 1626 | 139 | 400 | 3.48 | 100.0 | 9 | 8 |
| 130.0 | 70.0 | 25 08.5 | 116 02.0 | BD | 57 07 15 | 2136 | 132 | 448 | 2.95 | 100.0 | 0 | 0 |
| 130.0 | 80.0 | 24 48.5 | 116 40.0 | BD | 57 07 16 | 0256 | 144 | 396 | 3.63 | 100.0 | 99 | 231 |
| 133.0 | 25.0 | 26 00.7 | 112 42.8 | BD | 57 07 13 | 2253 | 66 | 244 | 2.72 | 50.0 | 4 | 1 |
| 133.0 | 30.0 | 25 54.5 | 113 07.5 | BD | 57 07 13 | 1621 | 137 | 401 | 3.33 | 50.0 | 24 | 32 |
| 133.0 | 35.0 | 25 44.4 | 113 26.4 | BD | 57 07 13 | 1301 | 141 | 411 | 3.42 | 100.0 | 15 | 38 |
| 133.0 | 40.0 | 25 34.5 | 113 45.5 | BD | 57 07 13 | 0946 | 142 | 393 | 3.43 | 100.0 | 30 | 250 |
| 133.0 | 45.0 | 25 24.3 | 114 04.7 | BD | 57 07 13 | 0616 | 138 | 408 | 3.61 | 100.0 | 2 | 134 |
| 133.0 | 50.0 | 25 14.5 | 114 24.0 | BD | 57 07 13 | 2346 | 142 | 453 | 3.38 | 100.0 | 155 | 139 |
| 133.0 | 60.0 | 24 54.5 | 115 01.5 | BD | 57 07 12 | 1816 | 141 | 441 | 3.12 | 100.0 | 141 | 199 |
| 133.0 | 70.0 | 24 35.5 | 115 39.0 | BD | 57 07 12 | 1231 | 140 | 448 | 3.20 | 100.0 | 34 | 15 |
| 133.0 | 80.0 | 24 14.0 | 116 18.0 | BD | 57 07 12 | 1231 | 140 | 448 | 3.13 | 100.0 | 74 | 15 |
| 137.0 | 23.0 | 25 34.2 | 112 18.7 | BD | 57 07 10 | 2308 | 60 | 221 | 2.71 | 25.0 | 3 | 722 |
| 137.0 | 30.0 | 25 20.0 | 112 45.5 | BD | 57 07 11 | 0241 | 142 | 413 | 3.45 | 100.0 | 55 | 26 |
| 137.0 | 35.0 | 25 10.0 | 113 04.5 | BD | 57 07 11 | 0556 | 141 | 397 | 3.56 | 100.0 | 18 | 10 |
| 137.0 | 40.0 | 25 00.0 | 113 23.5 | BD | 57 07 11 | 0826 | 140 | 375 | 3.74 | 100.0 | 5 | 12 |
| 137.0 | 45.0 | 24 47.5 | 113 44.0 | BD | 57 07 11 | 1156 | 139 | 422 | 3.30 | 100.0 | 5 | 16 |
| 137.0 | 50.0 | 24 40.0 | 114 01.5 | BD | 57 07 11 | 1436 | 140 | 424 | 3.30 | 100.0 | 7 | 777 |
| 137.0 | 60.0 | 24 20.0 | 114 39.5 | BD | 57 07 11 | 2040 | 141 | 462 | 3.06 | 100.0 | 57 | 190 |
| 137.0 | 70.0 | 23 59.5 | 115 17.5 | BD | 57 07 12 | 0206 | 139 | 441 | 3.16 | 100.0 | 183 | 141 |
| 137.0 | 80.0 | 23 39.0 | 115 56.2 | BD | 57 07 12 | 0711 | 137 | 480 | 2.86 | 100.0 | 82 | 190 |

TABLE 1. (cont.)

CalCOFI Cruise 5708

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 110.0 | 33.0 | 29 50.5 | 115 52.2 | BD | 57 08 16 | 1933 | 81 | 287 | 2.82 | 100.0 | 98 | 600 |
| 110.0 | 35.0 | 29 46.5 | 116 00.0 | BD | 57 08 16 | 1756 | 140 | 483 | 2.90 | 100.0 | 74 | 20 |
| 110.0 | 40.0 | 29 36.5 | 116 19.5 | BD | 57 08 16 | 1521 | 141 | 311 | 4.54 | 100.0 | 12 | 8 |
| 113.0 | 30.0 | 29 22.5 | 115 17.5 | BD | 57 08 17 | 0025 | 43 | 159 | 2.70 | 100.0 | 166 | 330 |
| 113.0 | 35.0 | 29 12.0 | 115 39.0 | BD | 57 08 17 | 0311 | 139 | 523 | 2.66 | 100.0 | 187 | 83 |
| 113.0 | 40.0 | 29 02.0 | 115 58.5 | BD | 57 08 17 | 0606 | 141 | 474 | 2.99 | 100.0 | 25 | 26 |
| 115.0 | 27.0 | 29 11.0 | 114 55.0 | BD | 57 08 17 | 1928 | 63 | 220 | 2.89 | 100.0 | 211 | 145 |
| 115.0 | 30.0 | 29 05.0 | 115 08.0 | BD | 57 08 17 | 1633 | 89 | 263 | 3.38 | 100.0 | 69 | 107 |
| 115.0 | 35.0 | 28 55.0 | 115 27.5 | BD | 57 08 17 | 1336 | 139 | 495 | 2.81 | 100.0 | 33 | 42 |
| 115.0 | 40.0 | 28 45.0 | 115 47.0 | BD | 57 08 17 | 1011 | 141 | 458 | 3.07 | 100.0 | 30 | 29 |
| 117.0 | 26.0 | 28 56.0 | 114 41.0 | BD | 57 08 17 | 2158 | 57 | 195 | 2.92 | 100.0 | 457 | 142 |
| 117.0 | 30.0 | 28 48.0 | 114 56.5 | BD | 57 08 18 | 0012 | 100 | 340 | 2.93 | 100.0 | 369 | 433 |
| 117.0 | 35.0 | 28 38.0 | 115 16.0 | BD | 57 08 18 | 0301 | 142 | 443 | 3.20 | 100.0 | 154 | 53 |
| 117.0 | 40.0 | 28 28.0 | 115 35.5 | BD | 57 08 18 | 0546 | 139 | 509 | 2.74 | 100.0 | 49 | 22 |
| 118.5 | 25.0 | 28 40.5 | 114 25.5 | BD | 57 08 18 | 1658 | 76 | 252 | 3.02 | 100.0 | 80 | 422 |
| 118.5 | 30.0 | 28 30.0 | 114 45.5 | BD | 57 08 18 | 1337 | 103 | 323 | 3.19 | 100.0 | 54 | 588 |
| 118.5 | 35.0 | 28 20.5 | 115 05.0 | BD | 57 08 18 | 0952 | 124 | 396 | 3.12 | 100.0 | 189 | 2385 |
| 119.0 | 33.0 | 28 19.0 | 114 53.0 | BD | 57 08 18 | 1143 | 99 | 340 | 2.90 | 100.0 | 196 | 2356 |
| 120.0 | 25.0 | 28 23.0 | 114 14.5 | BD | 57 08 18 | 1924 | 50 | 169 | 2.96 | 100.0 | 188 | 471 |
| 120.0 | 30.0 | 28 13.0 | 114 34.0 | BD | 57 08 18 | 2209 | 85 | 256 | 3.34 | 100.0 | 117 | 553 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | BD | 57 08 19 | 0043 | 62 | 289 | 2.13 | 100.0 | 114 | 380 |
| 120.0 | 40.0 | 27 56.5 | 115 14.0 | BD | 57 08 19 | 0259 | 27 | 131 | 2.03 | 100.0 | 283 | 1084 |
| 123.0 | 45.0 | 27 43.0 | 115 33.0 | BD | 57 08 19 | 0541 | 139 | 474 | 2.93 | 100.0 | 127 | 51 |
| 123.0 | 37.0 | 27 24.0 | 114 39.7 | BD | 57 08 19 | 1548 | 61 | 250 | 2.43 | 100.0 | 21 | 242 |
| 123.0 | 42.0 | 27 14.0 | 114 59.7 | BD | 57 08 19 | 1306 | 144 | 438 | 3.30 | 100.0 | 45 | 20 |
| 123.0 | 45.0 | 27 08.0 | 115 11.2 | BD | 57 08 19 | 1116 | 142 | 470 | 3.03 | 100.0 | 24 | 6 |
| 127.0 | 34.0 | 26 55.3 | 114 06.0 | BD | 57 08 19 | 2048 | 75 | 261 | 2.88 | 100.0 | 140 | 585 |
| 127.0 | 40.0 | 26 43.5 | 114 29.5 | BD | 57 08 19 | 2331 | 141 | 420 | 3.36 | 100.0 | 204 | 34 |
| 127.0 | 45.0 | 26 33.5 | 114 48.7 | BD | 57 08 20 | 0206 | 140 | 493 | 2.85 | 100.0 | 217 | 35 |
| 130.0 | 30.0 | 26 29.0 | 113 29.0 | BD | 57 08 20 | 1453 | 72 | 267 | 2.68 | 100.0 | 49 | 73 |
| 130.0 | 35.0 | 26 19.0 | 113 48.5 | BD | 57 08 20 | 1216 | 144 | 483 | 2.97 | 100.0 | 45 | 232 |
| 130.0 | 40.0 | 26 09.0 | 114 07.5 | BD | 57 08 20 | 0936 | 136 | 493 | 2.75 | 100.0 | 72 | 24 |
| 130.0 | 45.0 | 25 59.0 | 114 25.7 | BD | 57 08 20 | 0656 | 137 | 508 | 2.70 | 100.0 | 62 | 31 |
| 133.0 | 25.0 | 26 04.5 | 112 48.0 | BD | 57 08 20 | 1938 | 76 | 223 | 3.24 | 100.0 | 262 | 116 |
| 133.0 | 30.0 | 25 54.5 | 113 07.5 | BD | 57 08 20 | 2211 | 147 | 425 | 3.46 | 100.0 | 41 | 12 |
| 137.0 | 23.0 | 25 34.2 | 112 18.7 | BD | 57 08 21 | 1943 | 69 | 257 | 2.67 | 100.0 | 195 | 3088 |
| 137.0 | 30.0 | 25 20.0 | 112 45.5 | BD | 57 08 21 | 0256 | 145 | 479 | 3.03 | 100.0 | 192 | 266 |

TABLE 1. (cont.)

CalCOFI Cruise 5709

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 110.0 | 33.0 | 29 50.5 | 115 52.2 | BD | 57 09 12 | 1228 | 66 | 274 | 2.42 | 100.0 | 67 | 20 |
| 110.0 | 35.0 | 29 46.5 | 116 00.0 | BD | 57 09 12 | 1101 | 143 | 404 | 3.54 | 100.0 | 52 | 10 |
| 110.0 | 40.0 | 29 36.7 | 116 19.6 | BD | 57 09 12 | 0821 | 134 | 471 | 2.86 | 100.0 | 44 | 6 |
| 113.0 | 30.0 | 29 22.5 | 115 17.5 | BD | 57 09 12 | 1703 | 34 | 145 | 2.37 | 100.0 | 29 | 312 |
| 113.0 | 35.0 | 29 12.0 | 115 38.8 | BD | 57 09 12 | 2026 | 140 | 447 | 3.13 | 100.0 | 302 | 36 |
| 113.0 | 40.0 | 29 02.0 | 115 58.5 | BD | 57 09 13 | 0005 | 136 | 469 | 2.90 | 100.0 | 455 | 24 |
| 115.0 | 27.0 | 29 11.0 | 114 55.3 | BD | 57 09 13 | 1328 | 34 | 256 | 2.66 | 100.0 | 46 | 96 |
| 115.0 | 30.0 | 29 05.0 | 115 08.0 | BD | 57 09 13 | 1107 | 92 | 297 | 3.09 | 100.0 | 46 | 64 |
| 115.0 | 35.0 | 28 55.0 | 115 27.5 | BD | 57 09 13 | 0816 | 137 | 470 | 2.92 | 100.0 | 41 | 6 |
| 115.0 | 40.0 | 28 45.0 | 115 47.0 | BD | 57 09 13 | 0346 | 139 | 432 | 3.21 | 100.0 | 163 | 14 |
| 117.0 | 26.0 | 28 55.7 | 114 40.7 | BD | 57 09 13 | 1603 | 68 | 257 | 2.65 | 100.0 | 217 | 1232 |
| 117.0 | 30.0 | 28 48.0 | 114 56.5 | BD | 57 09 13 | 1807 | 95 | 311 | 3.10 | 100.0 | 58 | 165 |
| 117.0 | 35.0 | 28 38.0 | 115 16.0 | BD | 57 09 13 | 2111 | 142 | 473 | 3.00 | 100.0 | 91 | 51 |
| 117.0 | 40.0 | 28 28.0 | 115 35.5 | BD | 57 09 14 | 0006 | 141 | 427 | 3.30 | 100.0 | 151 | 12 |
| 118.5 | 25.0 | 28 40.6 | 114 25.7 | BD | 57 09 14 | 1048 | 62 | 245 | 2.54 | 100.0 | 53 | 406 |
| 118.5 | 30.0 | 28 30.7 | 114 45.3 | BD | 57 09 14 | 0817 | 100 | 267 | 3.75 | 100.0 | 204 | 152 |
| 119.0 | 33.0 | 28 18.8 | 114 53.2 | BD | 57 09 14 | 0537 | 103 | 346 | 2.98 | 100.0 | 172 | 589 |
| 120.0 | 25.0 | 28 23.0 | 114 15.0 | BD | 57 09 14 | 1318 | 55 | 173 | 3.17 | 100.0 | 26 | 736 |
| 120.0 | 30.0 | 28 13.0 | 114 34.0 | BD | 57 09 14 | 1603 | 73 | 238 | 3.09 | 100.0 | 97 | 746 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | BD | 57 09 14 | 1913 | 67 | 225 | 2.99 | 100.0 | 120 | 799 |
| 120.0 | 40.0 | 27 56.4 | 115 13.8 | BD | 57 09 14 | 2141 | 34 | 114 | 2.95 | 100.0 | 166 | 11 |
| 120.0 | 45.0 | 27 43.0 | 115 33.0 | BD | 57 09 15 | 0014 | 132 | 468 | 2.82 | 100.0 | 71 | 17 |
| 123.0 | 37.0 | 27 24.0 | 114 40.0 | BD | 57 09 15 | 1028 | 71 | 211 | 3.37 | 100.0 | 42 | 514 |
| 123.0 | 42.0 | 27 16.2 | 115 00.7 | BD | 57 09 15 | 0800 | 70 | 443 | 3.17 | 100.0 | 19 | 74 |
| 123.0 | 45.0 | 27 08.1 | 115 12.8 | BD | 57 09 15 | 0506 | 136 | 420 | 3.23 | 100.0 | 23 | 9 |
| 127.0 | 34.0 | 26 55.3 | 114 06.3 | BD | 57 09 15 | 1503 | 71 | 212 | 3.37 | 100.0 | 2 | 56 |
| 127.0 | 40.0 | 26 43.5 | 114 29.5 | BD | 57 09 20 | 2216 | 139 | 402 | 3.46 | 100.0 | 102 | 77 |
| 127.0 | 45.0 | 26 33.4 | 114 48.5 | BD | 57 09 20 | 1901 | 147 | 389 | 3.78 | 100.0 | 57 | 343 |
| 130.0 | 30.0 | 26 28.7 | 113 29.0 | BD | 57 09 16 | 1218 | 66 | 258 | 2.57 | 100.0 | 5 | 4 |
| 130.0 | 35.0 | 26 18.7 | 113 48.2 | BD | 57 09 20 | 0656 | 134 | 426 | 3.13 | 100.0 | 6 | 16 |
| 130.0 | 40.0 | 26 09.0 | 114 06.5 | BD | 57 09 20 | 1101 | 138 | 417 | 3.30 | 100.0 | 6 | 3 |
| 130.0 | 45.0 | 25 59.0 | 114 25.7 | BD | 57 09 20 | 1346 | 135 | 296 | 2.99 | 100.0 | 19 | 102 |
| 133.0 | 25.0 | 26 04.8 | 112 47.8 | BD | 57 09 16 | 1718 | 71 | 236 | 3.01 | 100.0 | 22 | 55 |
| 133.0 | 30.0 | 25 54.5 | 113 07.3 | BD | 57 09 20 | 0206 | 134 | 380 | 3.53 | 100.0 | 72 | 6 |
| 137.0 | 23.0 | 25 34.0 | 112 18.7 | BD | 57 09 17 | 0813 | 69 | 215 | 3.22 | 100.0 | 310 | 948 |
| 137.0 | 30.0 | 25 20.2 | 112 44.7 | BD | 57 09 19 | 1811 | 141 | 429 | 3.29 | 100.0 | 182 | 108 |

TABLE 1. (cont.)

CalCOFI Cruise 5710

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 80.0 | 51.0 | 34 27.5 | 120 32.0 | PT | 57 10 22 | 2134 | 72 | 262 | 2.75 | 100.0 | 6 | 11 |
| 80.0 | 55.0 | 34 20.5 | 120 49.0 | PT | 57 10 23 | 0011 | 150 | 508 | 2.95 | 100.0 | 33 | 16 |
| 80.0 | 60.0 | 34 12.5 | 121 11.0 | PT | 57 10 23 | 0426 | 143 | 522 | 2.73 | 100.0 | 14 | 25 |
| 80.0 | 70.0 | 33 57.0 | 121 53.0 | PT | 57 10 23 | 0926 | 146 | 503 | 2.90 | 100.0 | 0 | 8 |
| 80.0 | 90.0 | 33 10.5 | 123 05.0 | PT | 57 10 23 | 2336 | 138 | 481 | 2.86 | 100.0 | 26 | 5 |
| 82.0 | 47.0 | 34 15.0 | 119 57.5 | PT | 57 10 25 | 1936 | 149 | 427 | 3.49 | 100.0 | 3 | 47 |
| 83.0 | 40.0 | 34 14.0 | 119 21.5 | PT | 57 10 26 | 0230 | 11 | 87 | 1.30 | 100.0 | 10 | 112 |
| 83.0 | 43.0 | 34 08.0 | 119 34.0 | PT | 57 10 26 | 0001 | 151 | 425 | 3.55 | 100.0 | 28 | 59 |
| 83.0 | 51.0 | 33 52.0 | 120 07.5 | PT | 57 10 25 | 0856 | 136 | 446 | 3.05 | 100.0 | 5 | 42 |
| 83.0 | 60.0 | 33 34.0 | 120 45.0 | PT | 57 10 25 | 0116 | 155 | 443 | 3.51 | 100.0 | 7 | 4 |
| 83.0 | 70.0 | 33 15.0 | 121 23.0 | PT | 57 10 24 | 1831 | 115 | 492 | 2.35 | 100.0 | 16 | 8 |
| 83.0 | 80.0 | 32 55.0 | 122 04.0 | PT | 57 10 24 | 1116 | 140 | 530 | 2.64 | 100.0 | 6 | 3 |
| 83.0 | 90.0 | 32 37.5 | 122 37.0 | PT | 57 10 24 | 0611 | 134 | 509 | 2.63 | 100.0 | 17 | 0 |
| 87.0 | 36.0 | 33 48.0 | 118 41.5 | PT | 57 10 26 | 0841 | 131 | 459 | 2.86 | 100.0 | 18 | 61 |
| 87.0 | 40.0 | 33 41.5 | 118 59.0 | PT | 57 10 26 | 1151 | 161 | 386 | 4.17 | 100.0 | 0 | 30 |
| 87.0 | 45.0 | 33 33.0 | 119 20.0 | PT | 57 10 26 | 1606 | 135 | 435 | 3.09 | 100.0 | 2 | 73 |
| 87.0 | 50.0 | 33 20.0 | 119 39.5 | PT | 57 10 26 | 2043 | 61 | 192 | 3.18 | 100.0 | 10 | 6 |
| 87.0 | 55.0 | 33 07.5 | 119 59.5 | PT | 57 10 26 | 2341 | 115 | 482 | 2.39 | 100.0 | 14 | 8 |
| 87.0 | 60.0 | 32 57.5 | 120 16.5 | PT | 57 10 27 | 0501 | 134 | 400 | 3.35 | 100.0 | 9 | 1 |
| 87.0 | 70.0 | 32 40.0 | 121 02.5 | PT | 57 10 27 | 1151 | 129 | 437 | 2.96 | 100.0 | 10 | 0 |
| 87.0 | 80.0 | 32 19.0 | 121 42.0 | PT | 57 10 27 | 1831 | 129 | 403 | 3.21 | 100.0 | 15 | 1 |
| 87.0 | 90.0 | 31 58.0 | 122 22.5 | PT | 57 10 28 | 0051 | 122 | 444 | 2.74 | 100.0 | 14 | 4 |
| 90.0 | 28.0 | 33 28.5 | 117 47.0 | PT | 57 10 30 | 0406 | 140 | 428 | 3.27 | 100.0 | 2 | 15 |
| 90.0 | 30.0 | 33 24.5 | 117 55.0 | PT | 57 10 30 | 0141 | 124 | 370 | 3.36 | 100.0 | 20 | 56 |
| 90.0 | 37.0 | 33 10.5 | 118 23.5 | PT | 57 10 29 | 2041 | 132 | 394 | 3.35 | 100.0 | 41 | 61 |
| 90.0 | 45.0 | 32 54.5 | 118 56.0 | PT | 57 10 29 | 1446 | 76 | 563 | 1.34 | 100.0 | 2 | 27 |
| 90.0 | 50.0 | 32 46.5 | 119 16.5 | PT | 57 10 29 | 1141 | 83 | 608 | 1.36 | 100.0 | 57 | 9 |
| 90.0 | 53.0 | 32 39.0 | 119 30.0 | PT | 57 10 29 | 0906 | 134 | 412 | 3.26 | 100.0 | 15 | 3 |
| 90.0 | 60.0 | 32 23.5 | 119 58.5 | PT | 57 10 29 | 0416 | 138 | 412 | 3.35 | 100.0 | 4 | 5 |
| 90.0 | 70.0 | 32 05.0 | 120 38.0 | PT | 57 10 28 | 2046 | 132 | 420 | 3.15 | 100.0 | 6 | 14 |
| 90.0 | 80.0 | 31 42.0 | 121 17.0 | PT | 57 10 28 | 1431 | 82 | 611 | 1.34 | 100.0 | 7 | 14 |
| 90.0 | 90.0 | 31 21.0 | 121 56.5 | PT | 57 10 28 | 0726 | 133 | 428 | 3.11 | 100.0 | 1 | 7 |
| 93.0 | 27.0 | 32 56.0 | 117 19.0 | PT | 57 10 30 | 1038 | 66 | 230 | 2.85 | 100.0 | 2 | 35 |
| 93.0 | 30.0 | 32 50.0 | 117 31.5 | PT | 57 10 31 | 1701 | 132 | 373 | 3.54 | 100.0 | 1 | 0 |
| 93.0 | 35.0 | 32 40.0 | 117 52.0 | PT | 57 10 31 | 1931 | 136 | 305 | 4.47 | 100.0 | 16 | 6 |
| 93.0 | 40.0 | 32 30.0 | 118 12.5 | PT | 57 10 31 | 2351 | 127 | 448 | 2.83 | 100.0 | 6 | 33 |
| 93.0 | 50.0 | 32 10.0 | 118 53.0 | PT | 57 11 01 | 0611 | 142 | 417 | 3.40 | 100.0 | 9 | 7 |
| 93.0 | 60.0 | 31 50.0 | 119 35.0 | PT | 57 11 01 | 1321 | 134 | 431 | 3.12 | 50.0 | 1 | 0 |
| 93.0 | 70.0 | 31 30.0 | 120 14.0 | PT | 57 11 01 | 1946 | 132 | 429 | 3.07 | 100.0 | 7 | 6 |
| 93.0 | 80.0 | 31 11.0 | 120 52.0 | PT | 57 11 02 | 0206 | 140 | 442 | 3.17 | 100.0 | 130 | 55 |
| 93.0 | 90.0 | 30 52.5 | 121 29.0 | PT | 57 11 02 | 0836 | 144 | 418 | 3.44 | 100.0 | 34 | 56 |
| 97.0 | 30.0 | 32 15.5 | 117 08.5 | PT | 57 11 04 | 0654 | 31 | 147 | 2.12 | 100.0 | 13 | 5 |
| 97.0 | 32.0 | 32 12.5 | 117 19.0 | PT | 57 11 04 | 0411 | 142 | 379 | 3.76 | 100.0 | 11 | 0 |
| 97.0 | 35.0 | 32 06.0 | 117 29.0 | PT | 57 11 04 | 0156 | 139 | 398 | 3.49 | 100.0 | 15 | 5 |
| 97.0 | 40.0 | 31 55.0 | 117 49.5 | PT | 57 11 03 | 2206 | 139 | 407 | 3.40 | 100.0 | 58 | 6 |

TABLE 1. (cont.)

CalCOFI Cruise 5710

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 97.0 | 50.0 | 31 35.0 | 118 30.0 | PT | 57 11 03 | 1551 | 139 | 395 | 3.51 | 100.0 | 0 | 5 |
| 97.0 | 60.0 | 31 14.5 | 119 27.0 | PT | 57 11 03 | 0906 | 140 | 441 | 3.18 | 100.0 | 6 | 3 |
| 97.0 | 70.0 | 30 53.5 | 119 43.0 | PT | 57 11 03 | 0351 | 112 | 534 | 2.09 | 100.0 | 17 | 3 |
| 97.0 | 80.0 | 30 35.0 | 120 28.0 | PT | 57 11 02 | 1931 | 143 | 430 | 3.33 | 100.0 | 96 | 41 |
| 97.0 | 90.0 | 30 18.0 | 121 06.0 | PT | 57 11 02 | 1456 | 135 | 434 | 3.10 | 100.0 | 53 | 32 |
| 100.0 | 29.0 | 31 42.0 | 116 43.0 | PT | 57 11 04 | 1616 | 122 | 386 | 3.15 | 100.0 | 0 | 6 |
| 100.0 | 30.0 | 31 41.0 | 116 46.5 | PT | 57 11 04 | 1716 | 136 | 424 | 3.21 | 100.0 | 9 | 12 |
| 100.0 | 35.0 | 31 31.0 | 117 27.0 | PT | 57 11 04 | 2051 | 135 | 413 | 3.28 | 100.0 | 6 | 3 |
| 100.0 | 40.0 | 31 21.0 | 117 27.0 | PT | 57 11 04 | 2356 | 125 | 438 | 2.85 | 100.0 | 6 | 3 |
| 100.0 | 50.0 | 31 02.5 | 118 08.0 | PT | 57 11 05 | 0611 | 129 | 430 | 3.00 | 100.0 | 5 | 2 |
| 100.0 | 60.0 | 30 44.0 | 118 48.5 | PT | 57 11 05 | 1221 | 136 | 429 | 3.17 | 100.0 | 14 | 4 |
| 100.0 | 70.0 | 30 23.0 | 119 28.5 | PT | 57 11 05 | 1831 | 129 | 453 | 2.84 | 100.0 | 36 | 23 |
| 100.0 | 80.0 | 30 02.0 | 120 07.5 | PT | 57 11 06 | 0031 | 138 | 460 | 2.99 | 100.0 | 50 | 16 |
| 100.0 | 90.0 | 29 40.5 | 120 40.5 | PT | 57 11 06 | 0631 | 139 | 450 | 3.09 | 100.0 | 35 | 21 |
| 103.0 | 30.0 | 31 05.0 | 116 25.0 | PT | 57 11 07 | 2018 | 55 | 210 | 2.62 | 100.0 | 96 | 3 |
| 103.0 | 35.0 | 30 55.0 | 116 45.0 | PT | 57 11 07 | 1656 | 145 | 434 | 3.34 | 100.0 | 1 | 1 |
| 103.0 | 40.0 | 30 45.0 | 117 06.0 | PT | 57 11 07 | 1301 | 136 | 431 | 3.15 | 100.0 | 14 | 1 |
| 103.0 | 50.0 | 30 29.0 | 117 45.0 | PT | 57 11 07 | 0726 | 144 | 422 | 3.41 | 100.0 | 31 | 2 |
| 103.0 | 60.0 | 30 08.5 | 118 26.0 | PT | 57 11 07 | 0211 | 140 | 438 | 3.20 | 100.0 | 212 | 16 |
| 103.0 | 70.0 | 29 47.0 | 119 04.5 | PT | 57 11 06 | 1956 | 139 | 416 | 3.34 | 100.0 | 152 | 17 |
| 103.0 | 80.0 | 29 27.0 | 119 44.0 | PT | 57 11 06 | 1341 | 133 | 437 | 3.05 | 100.0 | 36 | 22 |
| 107.0 | 35.0 | 30 20.0 | 116 23.0 | ST | 57 10 04 | 1121 | 126 | 485 | 2.60 | 100.0 | 9 | 0 |
| 107.0 | 40.0 | 30 10.0 | 116 43.0 | ST | 57 10 04 | 1456 | 145 | 399 | 3.63 | 100.0 | 13 | 1 |
| 107.0 | 50.0 | 29 50.0 | 117 24.0 | ST | 57 10 04 | 2021 | 149 | 342 | 4.34 | 100.0 | 85 | 7 |
| 107.0 | 60.0 | 29 30.0 | 118 02.0 | ST | 57 10 05 | 0046 | 151 | 406 | 3.73 | 100.0 | 68 | 8 |
| 107.0 | 70.0 | 29 10.5 | 118 43.0 | ST | 57 10 05 | 0641 | 142 | 438 | 3.25 | 100.0 | 18 | 267 |
| 107.0 | 80.0 | 28 51.0 | 119 22.0 | ST | 57 10 05 | 1126 | 144 | 449 | 3.21 | 100.0 | 27 | 194 |
| 110.0 | 33.0 | 29 47.8 | 115 52.0 | ST | 57 10 06 | 1848 | 83 | 273 | 3.05 | 100.0 | 83 | 1 |
| 110.0 | 35.0 | 29 46.0 | 116 00.0 | ST | 57 10 06 | 1416 | 125 | 511 | 2.45 | 100.0 | 59 | 3 |
| 110.0 | 40.0 | 29 36.0 | 116 19.5 | ST | 57 10 06 | 1416 | 133 | 478 | 2.79 | 100.0 | 17 | 4 |
| 110.0 | 50.0 | 29 10.5 | 117 00.5 | ST | 57 10 06 | 0826 | 136 | 479 | 2.84 | 100.0 | 64 | 47 |
| 110.0 | 60.0 | 28 54.0 | 117 39.0 | ST | 57 10 06 | 0311 | 144 | 407 | 3.55 | 100.0 | 162 | 18 |
| 110.0 | 70.0 | 28 36.0 | 118 18.0 | ST | 57 10 05 | 2201 | 147 | 446 | 3.30 | 100.0 | 223 | 355 |
| 110.0 | 80.0 | 28 15.0 | 118 57.0 | ST | 57 10 05 | 1626 | 134 | 482 | 2.78 | 100.0 | 13 | 163 |
| 113.0 | 30.0 | 29 22.5 | 115 18.2 | ST | 57 10 06 | 2358 | 50 | 181 | 2.79 | 100.0 | 26 | 58 |
| 113.0 | 35.0 | 29 12.0 | 115 38.8 | ST | 57 10 07 | 0311 | 144 | 443 | 3.24 | 100.0 | 41 | 0 |
| 113.0 | 40.0 | 29 02.0 | 115 59.0 | ST | 57 10 07 | 0606 | 139 | 448 | 3.11 | 100.0 | 19 | 6 |
| 113.0 | 50.0 | 28 41.7 | 116 38.0 | ST | 57 10 07 | 1116 | 122 | 510 | 2.40 | 100.0 | 82 | 61 |
| 113.0 | 60.0 | 28 21.0 | 117 17.0 | ST | 57 10 07 | 1621 | 127 | 487 | 2.61 | 100.0 | 69 | 37 |
| 113.0 | 70.0 | 28 02.0 | 117 56.0 | ST | 57 10 07 | 2121 | 140 | 462 | 3.02 | 100.0 | 79 | 70 |
| 113.0 | 80.0 | 27 41.0 | 118 34.0 | ST | 57 10 08 | 0221 | 134 | 488 | 2.74 | 100.0 | 350 | 75 |
| 117.0 | 26.0 | 28 55.8 | 114 40.8 | ST | 57 10 09 | 2308 | 59 | 196 | 3.01 | 100.0 | 246 | 164 |
| 117.0 | 30.0 | 28 47.8 | 114 56.0 | ST | 57 10 09 | 2103 | 76 | 328 | 2.32 | 100.0 | 230 | 119 |
| 117.0 | 35.0 | 28 38.0 | 115 15.8 | ST | 57 10 09 | 1801 | 123 | 513 | 2.40 | 100.0 | 51 | 35 |
| 117.0 | 40.0 | 28 28.0 | 115 35.5 | ST | 57 10 09 | 0501 | 132 | 456 | 2.90 | 100.0 | 26 | 9 |

TABLE 1. (cont.)

CalCOFI Cruise 5710

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|-----------------------|------------------------|--------------|--------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 117.0 | 50.0 | 28 08.0 | 116 15.0 | ST | 57 10 08 | 2306 | 141 | 455 | 3.10 | 100.0 | 98 | 2 |
| 117.0 | 60.0 | 27 47.3 | 116 53.0 | ST | 57 10 08 | 1756 | 116 | 569 | 2.04 | 100.0 | 341 | 18 |
| 117.0 | 70.0 | 27 27.5 | 117 33.0 | ST | 57 10 08 | 1256 | 120 | 535 | 2.24 | 100.0 | 64 | 22 |
| 117.0 | 80.0 | 27 07.0 | 118 16.0 | ST | 57 10 08 | 0731 | 99 | 497 | 2.46 | 100.0 | 95 | 59 |
| 118.0 | 39.0 | 28 18.5 | 115 23.8 | ST | 57 10 09 | 0721 | 121 | 509 | 2.38 | 100.0 | 6 | 10 |
| 119.0 | 33.0 | 28 19.3 | 114 52.8 | ST | 57 10 10 | 0838 | 77 | 295 | 2.60 | 100.0 | 64 | 361 |
| 120.0 | 25.0 | 28 23.0 | 114 14.5 | ST | 57 10 10 | 0324 | 39 | 212 | 2.52 | 100.0 | 37 | 215 |
| 120.0 | 30.0 | 28 13.3 | 114 34.0 | ST | 57 10 10 | 0603 | 72 | 339 | 2.11 | 100.0 | 144 | 267 |
| 120.0 | 35.0 | 28 03.0 | 114 54.0 | ST | 57 10 10 | 1048 | 55 | 244 | 2.27 | 100.0 | 122 | 402 |
| 120.0 | 40.0 | 27 52.8 | 115 13.5 | ST | 57 10 11 | 0724 | 23 | 140 | 1.67 | 100.0 | 12 | 347 |
| 120.0 | 45.0 | 27 43.0 | 115 33.0 | ST | 57 10 11 | 1026 | 132 | 471 | 2.80 | 100.0 | 18 | 23 |
| 120.0 | 50.0 | 27 33.0 | 115 52.0 | ST | 57 10 11 | 1336 | 129 | 472 | 2.72 | 100.0 | 3 | 1 |
| 120.0 | 60.0 | 27 11.0 | 116 30.0 | ST | 57 10 11 | 1836 | 134 | 445 | 3.01 | 100.0 | 77 | 4 |
| 120.0 | 70.0 | 26 49.0 | 117 07.5 | ST | 57 10 11 | 2351 | 137 | 420 | 3.26 | 100.0 | 62 | 0 |
| 120.0 | 80.0 | 26 27.5 | 117 44.0 | ST | 57 10 12 | 0501 | 134 | 456 | 2.93 | 100.0 | 124 | 69 |
| 120.0 | 90.0 | 26 03.0 | 118 28.0 | ST | 57 10 12 | 1016 | 138 | 464 | 2.97 | 100.0 | 92 | 55 |
| 123.0 | 37.0 | 27 23.0 | 114 40.0 | ST | 57 10 13 | 1643 | 52 | 192 | 2.72 | 100.0 | 31 | 80 |
| 123.0 | 42.0 | 27 12.8 | 114 55.8 | ST | 57 10 13 | 1401 | 132 | 450 | 2.93 | 100.0 | 1 | 4 |
| 123.0 | 50.0 | 26 57.8 | 115 30.5 | ST | 57 10 13 | 0941 | 127 | 499 | 2.54 | 100.0 | 33 | 7 |
| 123.0 | 60.0 | 26 41.0 | 116 00.0 | ST | 57 10 13 | 0416 | 134 | 437 | 3.06 | 100.0 | 47 | 25 |
| 123.0 | 70.0 | 26 19.0 | 116 46.5 | ST | 57 10 12 | 2241 | 138 | 448 | 3.09 | 100.0 | 130 | 48 |
| 123.0 | 80.0 | 25 59.0 | 117 25.0 | ST | 57 10 12 | 1711 | 134 | 454 | 2.95 | 100.0 | 35 | 14 |
| 127.0 | 34.0 | 26 55.3 | 114 06.0 | ST | 57 10 13 | 2058 | 72 | 211 | 3.39 | 100.0 | 3 | 0 |
| 127.0 | 40.0 | 26 43.0 | 114 29.0 | ST | 57 10 14 | 0016 | 144 | 382 | 3.78 | 100.0 | 40 | 7 |
| 127.0 | 45.0 | 26 33.7 | 114 48.0 | ST | 57 10 14 | 0251 | 144 | 376 | 3.82 | 100.0 | 17 | 14 |
| 127.0 | 50.0 | 26 24.0 | 115 08.0 | ST | 57 10 14 | 0556 | 142 | 328 | 4.34 | 100.0 | 12 | 96 |
| 127.0 | 60.0 | 26 03.5 | 115 45.5 | ST | 57 10 14 | 1101 | 131 | 404 | 3.25 | 100.0 | 14 | 13 |
| 127.0 | 70.0 | 25 43.3 | 116 24.0 | ST | 57 10 14 | 1606 | 128 | 415 | 3.08 | 100.0 | 21 | 19 |
| 127.0 | 80.0 | 25 24.0 | 117 02.3 | ST | 57 10 14 | 2111 | 140 | 389 | 3.61 | 100.0 | 57 | 6 |
| 130.0 | 30.0 | 26 27.7 | 113 30.3 | ST | 57 10 16 | 0508 | 64 | 189 | 3.35 | 100.0 | 3 | 20 |
| 130.0 | 35.0 | 26 17.7 | 113 47.0 | ST | 57 10 16 | 0206 | 142 | 332 | 4.28 | 100.0 | 3 | 12 |
| 130.0 | 40.0 | 26 06.3 | 114 05.0 | ST | 57 10 15 | 2306 | 152 | 290 | 5.25 | 100.0 | 50 | 91 |
| 130.0 | 50.0 | 25 45.0 | 114 39.7 | ST | 57 10 15 | 1806 | 124 | 374 | 3.31 | 100.0 | 34 | 588 |
| 130.0 | 60.0 | 25 24.0 | 115 20.0 | ST | 57 10 15 | 1256 | 131 | 384 | 3.41 | 100.0 | 17 | 78 |
| 130.0 | 70.0 | 25 06.0 | 116 00.0 | ST | 57 10 15 | 0706 | 130 | 435 | 2.99 | 100.0 | 21 | 46 |
| 130.0 | 80.0 | 24 49.0 | 116 39.0 | ST | 57 10 15 | 0206 | 139 | 358 | 3.87 | 100.0 | 51 | 7 |
| 133.0 | 25.0 | 26 05.0 | 112 46.8 | ST | 57 10 16 | 1008 | 66 | 219 | 3.02 | 100.0 | 19 | 96 |
| 133.0 | 30.0 | 25 53.5 | 113 06.5 | ST | 57 10 16 | 1246 | 128 | 468 | 2.73 | 100.0 | 3 | 10 |
| 133.0 | 35.0 | 25 43.0 | 113 25.5 | ST | 57 10 16 | 1521 | 139 | 421 | 3.30 | 100.0 | 5 | 71 |
| 133.0 | 40.0 | 25 33.3 | 113 43.0 | ST | 57 10 16 | 1831 | 136 | 446 | 3.05 | 100.0 | 16 | 425 |
| 133.0 | 50.0 | 25 14.0 | 114 23.5 | ST | 57 10 16 | 2336 | 136 | 439 | 3.09 | 100.0 | 31 | 3 |
| 133.0 | 60.0 | 24 56.0 | 115 03.5 | ST | 57 10 17 | 0441 | 136 | 464 | 2.93 | 100.0 | 68 | 11 |
| 133.0 | 70.0 | 24 38.0 | 115 41.0 | ST | 57 10 17 | 0946 | 126 | 449 | 2.82 | 100.0 | 44 | 261 |
| 133.0 | 80.0 | 24 20.7 | 116 20.5 | ST | 57 10 17 | 1341 | 134 | 330 | 4.07 | 100.0 | 12 | 57 |
| 137.0 | 23.0 | 25 34.0 | 112 18.8 | ST | 57 10 19 | 0038 | 74 | 203 | 3.63 | 100.0 | 187 | 588 |

TABLE 1. (cont.)

CalCOFI Cruise 5710

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 137.0 | 30.0 | 25 20.3 | 112 44.8 | ST | 57 10 18 | 2141 | 145 | 392 | 3.71 | 100.0 | 40 | 1 |
| 137.0 | 35.0 | 25 10.0 | 113 04.5 | ST | 57 10 18 | 1846 | 139 | 381 | 3.65 | 100.0 | 36 | 273 |
| 137.0 | 40.0 | 25 00.0 | 113 23.0 | ST | 57 10 18 | 1611 | 135 | 427 | 3.15 | 100.0 | 4 | 3 |
| 137.0 | 50.0 | 24 39.0 | 114 04.0 | ST | 57 10 18 | 1051 | 133 | 456 | 2.92 | 100.0 | 34 | 20 |
| 137.0 | 60.0 | 24 21.5 | 114 40.0 | ST | 57 10 18 | 0501 | 137 | 445 | 3.09 | 100.0 | 32 | 37 |
| 137.0 | 70.0 | 24 03.0 | 115 19.5 | ST | 57 10 17 | 2351 | 136 | 420 | 3.25 | 100.0 | 102 | 123 |
| 137.0 | 80.0 | 23 44.0 | 116 00.0 | ST | 57 10 17 | 1846 | 135 | 430 | 3.14 | 100.0 | 35 | 47 |

TABLE 1. (cont.)

CalCOFI Cruise 5711

| Line | Station | Lat. (N) deg. min. | Long. (W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|------|---------|-----------------------|------------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 70.0 | 55.0 | 36 03.0 | 122 02.0 | OR | 57 11 17 | 1446 | 130 | 487 | 2.67 | 100.0 | 3 | 9 |
| 70.0 | 60.0 | 35 53.0 | 122 23.0 | OR | 57 11 17 | 1816 | 142 | 463 | 3.06 | 100.0 | 4 | 0 |
| 70.0 | 70.0 | 35 34.0 | 123 06.0 | OR | 57 11 17 | 2351 | 126 | 513 | 2.45 | 100.0 | 8 | 19 |
| 70.0 | 80.0 | 35 14.0 | 123 48.0 | OR | 57 11 18 | 0511 | 141 | 453 | 3.11 | 100.0 | 9 | 9 |
| 73.0 | 51.0 | 35 36.5 | 121 21.5 | OR | 57 11 17 | 0221 | 147 | 433 | 3.39 | 100.0 | 22 | 1 |
| 73.0 | 55.0 | 35 29.0 | 121 37.0 | OR | 57 11 17 | 0526 | 141 | 443 | 3.17 | 100.0 | 18 | 0 |
| 73.0 | 60.0 | 35 19.0 | 121 58.0 | OR | 57 11 17 | 0836 | 142 | 458 | 3.10 | 100.0 | 1 | 7 |
| 80.0 | 55.0 | 34 19.5 | 120 48.5 | OR | 57 11 18 | 2346 | 143 | 467 | 3.06 | 100.0 | 231 | 223 |
| 80.0 | 60.0 | 34 09.5 | 121 10.0 | OR | 57 11 19 | 0226 | 137 | 465 | 2.94 | 100.0 | 43 | 22 |
| 80.0 | 70.0 | 33 49.0 | 121 50.0 | OR | 57 11 19 | 0826 | 135 | 480 | 2.81 | 100.0 | 8 | 6 |
| 82.0 | 47.0 | 34 15.0 | 119 58.0 | OR | 57 11 20 | 0111 | 146 | 311 | 4.68 | 100.0 | 104 | 688 |
| 83.0 | 40.0 | 34 14.0 | 119 34.0 | OR | 57 11 20 | 0900 | 12 | 51 | 2.26 | 100.0 | 42 | 147 |
| 83.0 | 43.0 | 34 08.0 | 119 22.0 | OR | 57 11 20 | 0341 | 139 | 246 | 5.65 | 100.0 | 60 | 21 |
| 83.0 | 51.0 | 33 52.0 | 120 05.0 | OR | 57 11 19 | 2103 | 70 | 212 | 3.32 | 100.0 | 47 | 43 |
| 83.0 | 55.0 | 33 46.0 | 120 25.0 | OR | 57 11 19 | 1746 | 120 | 519 | 2.30 | 100.0 | 111 | 117 |
| 83.0 | 60.0 | 33 37.0 | 120 47.0 | OR | 57 11 19 | 1441 | 127 | 508 | 2.50 | 100.0 | 5 | 5 |
| 87.0 | 36.0 | 33 48.0 | 118 42.0 | OR | 57 11 20 | 1336 | 117 | 522 | 2.25 | 100.0 | 16 | 482 |
| 87.0 | 40.0 | 33 38.0 | 119 03.0 | OR | 57 11 20 | 1631 | 141 | 363 | 3.87 | 100.0 | 4 | 125 |
| 87.0 | 45.0 | 33 30.0 | 119 19.0 | OR | 57 11 20 | 1841 | 140 | 400 | 3.49 | 100.0 | 2 | 29 |
| 87.0 | 50.0 | 33 20.0 | 119 39.0 | OR | 57 11 20 | 2133 | 60 | 185 | 3.23 | 100.0 | 67 | 10 |
| 87.0 | 55.0 | 33 10.0 | 120 00.0 | OR | 57 11 21 | 0031 | 118 | 457 | 2.59 | 100.0 | 24 | 9 |
| 87.0 | 60.0 | 33 00.0 | 120 21.0 | OR | 57 11 21 | 0406 | 141 | 367 | 3.83 | 100.0 | 35 | 13 |
| 90.0 | 28.0 | 33 28.0 | 117 46.0 | OR | 57 11 23 | 0431 | 139 | 252 | 5.53 | 100.0 | 66 | 135 |
| 90.0 | 30.0 | 33 25.0 | 117 55.0 | OR | 57 11 23 | 0216 | 120 | 410 | 2.94 | 100.0 | 21 | 117 |
| 90.0 | 37.0 | 33 14.0 | 118 27.0 | OR | 57 11 22 | 0101 | 107 | 558 | 1.93 | 100.0 | 27 | 249 |
| 90.0 | 45.0 | 32 55.0 | 118 56.0 | OR | 57 11 21 | 1826 | 137 | 471 | 2.92 | 100.0 | 7 | 57 |
| 90.0 | 50.0 | 32 50.0 | 119 21.0 | OR | 57 11 21 | 1446 | 121 | 527 | 2.30 | 100.0 | 6 | 0 |
| 90.0 | 55.0 | 32 41.0 | 119 42.0 | OR | 57 11 21 | 1146 | 131 | 433 | 3.03 | 100.0 | 10 | 1 |
| 90.0 | 60.0 | 32 32.0 | 120 03.0 | OR | 57 11 21 | 0836 | 143 | 424 | 3.37 | 100.0 | 4 | 3 |
| 93.0 | 27.0 | 32 55.0 | 117 20.0 | OR | 57 11 23 | 0921 | 134 | 479 | 2.80 | 100.0 | 11 | 178 |
| 93.0 | 30.0 | 32 48.0 | 117 32.0 | OR | 57 11 23 | 1121 | 137 | 450 | 3.05 | 100.0 | 1 | 68 |
| 93.0 | 35.0 | 32 39.0 | 117 52.0 | OR | 57 11 23 | 1411 | 119 | 514 | 2.32 | 100.0 | 1 | 33 |
| 93.0 | 40.0 | 32 29.0 | 118 13.0 | OR | 57 11 23 | 1656 | 133 | 498 | 2.66 | 100.0 | 1 | 27 |
| 93.0 | 45.0 | 32 19.0 | 118 33.0 | OR | 57 11 23 | 1946 | 141 | 454 | 3.09 | 100.0 | 0 | 24 |
| 93.0 | 50.0 | 32 10.0 | 118 53.0 | OR | 57 11 23 | 2231 | 137 | 462 | 2.97 | 100.0 | 5 | 23 |
| 93.0 | 55.0 | 32 00.0 | 119 14.0 | OR | 57 11 24 | 0126 | 123 | 482 | 2.54 | 100.0 | 0 | 38 |
| 93.0 | 60.0 | 31 50.0 | 119 33.0 | OR | 57 11 24 | 0416 | 138 | 340 | 4.05 | 100.0 | 1 | 4 |
| 97.0 | 30.0 | 32 15.0 | 117 08.0 | OR | 57 11 25 | 0429 | 48 | 114 | 4.21 | 100.0 | 24 | 19 |
| 97.0 | 32.0 | 32 11.0 | 117 16.0 | OR | 57 11 25 | 0251 | 119 | 305 | 3.91 | 100.0 | 17 | 153 |
| 97.0 | 40.0 | 32 00.0 | 117 50.0 | OR | 57 11 24 | 2036 | 141 | 277 | 5.08 | 100.0 | 16 | 4 |
| 97.0 | 45.0 | 31 45.0 | 118 10.0 | OR | 57 11 24 | 1711 | 137 | 371 | 3.70 | 100.0 | 3 | 3 |
| 97.0 | 50.0 | 31 35.0 | 118 30.0 | OR | 57 11 24 | 1431 | 108 | 553 | 1.96 | 100.0 | 0 | 55 |
| 97.0 | 55.0 | 31 25.0 | 118 50.0 | OR | 57 11 24 | 1146 | 132 | 498 | 2.65 | 100.0 | 1 | 15 |
| 97.0 | 60.0 | 31 16.0 | 119 11.0 | OR | 57 11 24 | 0906 | 138 | 267 | 5.18 | 100.0 | 2 | 9 |

TABLE 1. (cont.)

CalCOFI Cruise 5712

| Line | Station | Lat.(N) deg. min. | Long.(W) deg. min. | Ship Code | Tow Date yr. mo. day | Time (PST) | Tow Depth (m) | Vol. Water Strained (cu. m) | Stand- ard Haul Factor | Percent Sorted | Total Larvae | Total Eggs |
|-------|---------|----------------------|-----------------------|--------------|-------------------------|---------------|---------------------|--------------------------------------|---------------------------------|-------------------|-----------------|---------------|
| 80.0 | 51.0 | 34 26.5 | 120 32.5 | PT | 57 12 14 | 1558 | 69 | 274 | 2.53 | 100.0 | 136 | 68 |
| 80.0 | 55.0 | 34 19.0 | 120 48.0 | PT | 57 12 14 | 1826 | 130 | 432 | 3.00 | 100.0 | 115 | 138 |
| 80.0 | 60.0 | 34 09.0 | 121 09.0 | PT | 57 12 14 | 2200 | 146 | 398 | 3.67 | 100.0 | 39 | 25 |
| 80.0 | 70.0 | 33 50.0 | 121 51.0 | PT | 57 12 15 | 0736 | 140 | 424 | 3.32 | 100.0 | 11 | 3 |
| 80.0 | 80.0 | 33 29.0 | 122 31.5 | PT | 57 12 15 | 1356 | 132 | 440 | 3.01 | 100.0 | 0 | 8 |
| 80.0 | 90.0 | 33 05.5 | 123 10.0 | PT | 57 12 15 | 2141 | 142 | 443 | 3.21 | 100.0 | 6 | 5 |
| 83.0 | 90.0 | 32 34.5 | 122 44.0 | PT | 57 12 16 | 0405 | 142 | 472 | 3.01 | 100.0 | 8 | 8 |
| 87.0 | 90.0 | 32 02.0 | 122 16.5 | PT | 57 12 16 | 1021 | 153 | 484 | 3.15 | 100.0 | 2 | 5 |
| 90.0 | 28.0 | 33 28.5 | 117 46.5 | PT | 57 12 18 | 0841 | 142 | 432 | 3.30 | 100.0 | 15 | 50 |
| 90.0 | 30.0 | 33 24.5 | 117 55.0 | PT | 57 12 18 | 0621 | 154 | 434 | 3.56 | 100.0 | 1 | 38 |
| 90.0 | 37.0 | 33 11.0 | 118 23.5 | PT | 57 12 18 | 0126 | 128 | 427 | 2.99 | 100.0 | 2 | 188 |
| 90.0 | 45.0 | 32 54.5 | 118 56.0 | PT | 57 12 17 | 2046 | 138 | 430 | 3.22 | 100.0 | 9 | 167 |
| 90.0 | 50.0 | 32 44.5 | 119 16.5 | PT | 57 12 17 | 1802 | 135 | 349 | 3.86 | 100.0 | 55 | 17 |
| 90.0 | 55.0 | 32 36.0 | 119 34.5 | PT | 57 12 17 | 1446 | 147 | 421 | 3.49 | 100.0 | 0 | 22 |
| 90.0 | 60.0 | 32 32.0 | 119 46.5 | PT | 57 12 17 | 1131 | 139 | 423 | 3.28 | 100.0 | 3 | 18 |
| 90.0 | 70.0 | 32 10.0 | 120 30.0 | PT | 57 12 17 | 0521 | 136 | 440 | 3.09 | 100.0 | 7 | 4 |
| 90.0 | 80.0 | 31 46.5 | 121 12.0 | PT | 57 12 16 | 2246 | 133 | 476 | 2.79 | 100.0 | 21 | 1 |
| 90.0 | 90.0 | 31 22.5 | 121 56.0 | PT | 57 12 16 | 1636 | 139 | 427 | 3.27 | 100.0 | 13 | 47 |
| 97.0 | 32.0 | 32 15.3 | 117 13.0 | ST | 57 12 20 | 0455 | 132 | 419 | 3.16 | 100.0 | 50 | 88 |
| 100.0 | 40.0 | 31 39.0 | 117 25.0 | ST | 57 12 20 | 2344 | 133 | 452 | 2.95 | 100.0 | 10 | 2 |
| 103.0 | 50.0 | 30 26.0 | 117 48.0 | ST | 57 12 19 | 1420 | 141 | 439 | 3.20 | 100.0 | 0 | 5 |
| 107.0 | 60.0 | 29 31.0 | 118 03.0 | ST | 57 12 18 | 0721 | 151 | 407 | 3.71 | 100.0 | 8 | 245 |
| 110.0 | 70.0 | 28 30.0 | 118 20.0 | ST | 57 12 18 | 2201 | 147 | 462 | 3.18 | 100.0 | 85 | 145 |

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1957.

| Rank | Taxon | Occurrences |
|------|-------------------------------------|-------------|
| 1 | <i>Triphoturus mexicanus</i> | 641 |
| 2 | <i>Engraulis mordax</i> | 581 |
| 3 | <i>Vinciguerrria lucetia</i> | 574 |
| 4 | <i>Sebastes</i> spp. | 558 |
| 5 | <i>Diogenichthys laternatus</i> | 412 |
| 6 | <i>Leuroglossus stilbius</i> | 343 |
| 7 | <i>Merluccius productus</i> | 331 |
| 8 | <i>Lampanyctus ritteri</i> | 306 |
| 9 | <i>Bathylagus wesethi</i> | 298 |
| 10 | <i>Trachurus symmetricus</i> | 295 |
| 11 | <i>Stenobranchius leucopsarus</i> | 267 |
| 12 | <i>Protomyctophum crockeri</i> | 254 |
| 13 | <i>Cyclothone</i> spp. | 240 |
| 14 | <i>Melamphaes</i> spp. | 212 |
| 15 | <i>Citharichthys xanthostigma</i> | 208 |
| 16 | Disintegrated fish larva | 193 |
| 17 | <i>Citharichthys stigmaeus</i> | 191 |
| 18 | Myctophidae | 175 |
| 19 | <i>Sardinops sagax</i> | 174 |
| 20 | <i>Ceratoscopelus townsendi</i> | 165 |
| 21 | <i>Symbolophorus californiensis</i> | 142 |
| 22 | Unidentified fish larva | 129 |
| 23 | <i>Citharichthys</i> spp. | 127 |
| 24 | <i>Citharichthys fragilis</i> | 125 |
| 24 | <i>Lampanyctus</i> spp. | 125 |
| 26 | <i>Tetragonurus cuvieri</i> | 124 |
| 27 | <i>Tarletonbeania crenularis</i> | 116 |
| 28 | <i>Bathylagus ochotensis</i> | 111 |
| 29 | <i>Diogenichthys atlanticus</i> | 109 |
| 30 | Labridae | 97 |
| 31 | Gobiidae | 93 |
| 32 | Paralepididae | 92 |
| 33 | <i>Lyopsetta exilis</i> | 90 |
| 34 | <i>Hygophum atratum</i> | 88 |
| 35 | <i>Gonichthys tenuiculus</i> | 81 |
| 36 | <i>Symphurus</i> spp. | 80 |
| 37 | Ophidiiformes | 74 |
| 37 | <i>Nansenia crassa</i> | 74 |
| 39 | <i>Scomber japonicus</i> | 71 |
| 40 | <i>Synodus</i> spp. | 70 |
| 40 | <i>Icichthys lockingtoni</i> | 70 |
| 40 | Sciaenidae | 70 |
| 43 | <i>Stomias atriventer</i> | 67 |
| 44 | <i>Diaphus</i> spp. | 66 |
| 45 | <i>Lampadena urophaos</i> | 63 |
| 45 | Sternoptychidae | 63 |
| 47 | <i>Citharichthys sordidus</i> | 62 |
| 48 | Chiasmodontidae | 57 |

TABLE 2. (cont.)

| Rank | Taxon | Occurrences |
|------|----------------------------------|-------------|
| 49 | <i>Argentina sialis</i> | 56 |
| 50 | <i>Ophidion scrippsae</i> | 53 |
| 51 | <i>Chauliodus macouni</i> | 48 |
| 52 | Trichiuridae | 47 |
| 53 | <i>Hippoglossina stomata</i> | 44 |
| 54 | Scopelarchidae | 43 |
| 55 | <i>Pleuronichthys verticalis</i> | 40 |
| 56 | <i>Parophrys vetulus</i> | 39 |
| 57 | <i>Peprilus simillimus</i> | 37 |
| 58 | <i>Seriola lalandi</i> | 36 |
| 59 | Anguilliformes | 33 |
| 60 | <i>Notoscopelus resplendens</i> | 31 |
| 60 | Cottidae | 31 |
| 62 | <i>Prionotus</i> spp. | 30 |
| 62 | <i>Scorpaena</i> spp. | 30 |
| 62 | <i>Diogenichthys</i> spp. | 30 |
| 62 | <i>Paralichthys californicus</i> | 30 |
| 66 | Trachipteridae | 28 |
| 67 | <i>Myctophum nitidulum</i> | 27 |
| 67 | <i>Etrumeus acuminatus</i> | 27 |
| 69 | <i>Microstomus pacificus</i> | 26 |
| 69 | <i>Scopelogadus bispinosus</i> | 26 |
| 69 | <i>Hypsoblennius</i> spp. | 26 |
| 69 | <i>Lampanyctus regalis</i> | 26 |
| 73 | Pomacentridae | 24 |
| 73 | <i>Coryphaena hippurus</i> | 24 |
| 75 | <i>Auxis</i> spp. | 23 |
| 76 | <i>Poromitra</i> spp. | 21 |
| 77 | <i>Hygophum reinhardtii</i> | 20 |
| 78 | <i>Idiacanthus antrostomus</i> | 19 |
| 79 | <i>Ichthyococcus</i> spp. | 18 |
| 80 | Serranidae | 17 |
| 81 | <i>Etropus</i> spp. | 16 |
| 81 | Ceratioidei | 16 |
| 81 | <i>Microstoma microstoma</i> | 16 |
| 84 | <i>Hygophum</i> spp. | 15 |
| 84 | <i>Brama</i> spp. | 15 |
| 84 | <i>Sphyraena argentea</i> | 15 |
| 87 | <i>Cololabis saira</i> | 14 |
| 87 | Haemulidae | 14 |
| 87 | <i>Brosmophycis marginata</i> | 14 |
| 87 | Clinidae | 14 |
| 91 | Gerreidae | 13 |
| 91 | <i>Bregmaceros</i> spp. | 13 |
| 93 | <i>Medialuna californiensis</i> | 12 |
| 93 | <i>Chromis punctipinnis</i> | 12 |
| 95 | Agonidae | 11 |
| 95 | <i>Glyptocephalus zachirus</i> | 11 |
| 97 | Carangidae | 10 |

TABLE 2. (cont.)

| Rank | Taxon | Occurrences |
|------|-----------------------------------|-------------|
| 97 | <i>Caulolatilus princeps</i> | 10 |
| 97 | <i>Aristostomias scintillans</i> | 10 |
| 100 | <i>Tactostoma macropus</i> | 9 |
| 101 | <i>Physiculus</i> spp. | 8 |
| 102 | <i>Loweina rara</i> | 7 |
| 102 | Scombridae | 7 |
| 102 | <i>Nansenia candida</i> | 7 |
| 102 | <i>Xystreurys liolepis</i> | 7 |
| 102 | <i>Pleuronichthys</i> spp. | 7 |
| 107 | <i>Syacium ovale</i> | 6 |
| 107 | <i>Chilara taylora</i> | 6 |
| 109 | <i>Syngnathus</i> spp. | 5 |
| 109 | Moridae | 5 |
| 109 | <i>Pleuronichthys coenosus</i> | 5 |
| 109 | <i>Sebastolobus</i> spp. | 5 |
| 109 | Pleuronectiformes | 5 |
| 109 | Nomeidae | 5 |
| 109 | <i>Psettichthys melanostictus</i> | 5 |
| 109 | Exocoetidae | 5 |
| 117 | <i>Oxylebius pictus</i> | 4 |
| 117 | <i>Bathophilus</i> spp. | 4 |
| 117 | <i>Bathylagus</i> spp. | 4 |
| 117 | <i>Bothus</i> spp. | 4 |
| 121 | <i>Opisthonema</i> spp. | 3 |
| 121 | <i>Diplophos taenia</i> | 3 |
| 121 | <i>Pleuronichthys ritteri</i> | 3 |
| 121 | <i>Girella nigricans</i> | 3 |
| 121 | Cyclopteridae | 3 |
| 121 | <i>Myctophum aurolaternatum</i> | 3 |
| 121 | <i>Pleuronichthys decurrens</i> | 3 |
| 121 | <i>Scorpaenichthys marmoratus</i> | 3 |
| 129 | Blennioidei | 2 |
| 129 | Stomiiformes | 2 |
| 129 | Macrouridae | 2 |
| 129 | <i>Zaniolepis</i> spp. | 2 |
| 129 | <i>Bathylagus pacificus</i> | 2 |
| 129 | <i>Macroramphosus gracilis</i> | 2 |
| 135 | Scorpaenidae | 1 |
| 135 | <i>Ophiodon elongatus</i> | 1 |
| 135 | <i>Sarda chiliensis</i> | 1 |
| 135 | <i>Anotopterus pharao</i> | 1 |
| 135 | <i>Hypsopsetta guttulata</i> | 1 |
| 135 | <i>Mugil</i> spp. | 1 |
| 135 | <i>Aulopus</i> spp. | 1 |
| 135 | Antennariidae | 1 |
| 135 | Hexagrammidae | 1 |
| 135 | Gobiesocidae | 1 |
| 135 | Uranoscopidae | 1 |
| 135 | <i>Scomberomorus</i> spp. | 1 |

TABLE 2. (cont.)

| Rank | Taxon | Occurrences |
|------|----------------------|-------------|
| 135 | Hemiramphidae | 1 |
| 135 | <i>Albula vulpes</i> | 1 |
| 135 | Atherinidae | 1 |

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1957. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

| Rank | Taxon | Count |
|------|-------------------------------------|--------|
| 1 | <i>Engraulis mordax</i> | 149085 |
| 2 | <i>Merluccius productus</i> | 74129 |
| 3 | <i>Vinciguerria lucetia</i> | 57203 |
| 4 | <i>Sebastes</i> spp. | 35708 |
| 5 | <i>Leuroglossus stilbuis</i> | 29880 |
| 6 | <i>Trachurus symmetricus</i> | 20038 |
| 7 | <i>Stenobranchius leucopsarus</i> | 17549 |
| 8 | <i>Triphoturus mexicanus</i> | 16124 |
| 9 | <i>Diogenichthys laternatus</i> | 12002 |
| 10 | <i>Sardinops sagax</i> | 9787 |
| 11 | <i>Bathylagus wesethi</i> | 6447 |
| 12 | <i>Citharichthys xanthostigma</i> | 5491 |
| 13 | <i>Citharichthys fragilis</i> | 5042 |
| 14 | <i>Cyclothone</i> spp. | 2879 |
| 15 | <i>Lampanyctus ritteri</i> | 2789 |
| 16 | <i>Prionotus</i> spp. | 2731 |
| 17 | <i>Ceratoscopelus townsendi</i> | 2692 |
| 18 | <i>Citharichthys</i> spp. | 2660 |
| 19 | <i>Synodus</i> spp. | 2344 |
| 20 | <i>Citharichthys stigmaeus</i> | 2050 |
| 21 | <i>Scomber japonicus</i> | 1830 |
| 22 | <i>Symphurus</i> spp. | 1623 |
| 23 | <i>Symbolophorus californiensis</i> | 1619 |
| 24 | <i>Tarletonbeania crenularis</i> | 1571 |
| 25 | <i>Argentina sialis</i> | 1404 |
| 26 | <i>Protomyctophum crockeri</i> | 1399 |
| 27 | Unidentified fish larva | 1256 |
| 28 | <i>Melamphaes</i> spp. | 1145 |
| 29 | Disintegrated fish larva | 1108 |
| 30 | <i>Bathylagus ochotensis</i> | 1078 |
| 31 | Sciaenidae | 1037 |
| 32 | Labridae | 1000 |
| 33 | Myctophidae | 980 |
| 34 | <i>Lyopsetta exilis</i> | 977 |
| 35 | <i>Scorpaena</i> spp. | 922 |
| 36 | Ophidiiformes | 834 |
| 37 | <i>Lampanyctus</i> spp. | 824 |
| 38 | <i>Icichthys lockingtoni</i> | 791 |
| 39 | <i>Peprilus simillimus</i> | 792 |
| 40 | <i>Diogenichthys atlanticus</i> | 779 |
| 41 | Gobiidae | 777 |
| 42 | <i>Tetragonurus cuvieri</i> | 708 |
| 43 | <i>Bregmaceros</i> spp. | 677 |
| 44 | <i>Hygophum atratum</i> | 642 |
| 45 | <i>Diaphus</i> spp. | 640 |
| 46 | <i>Ophidion scrippsae</i> | 575 |
| 47 | <i>Gonichthys tenuiculus</i> | 469 |

TABLE 3. (cont.)

| Rank | Taxon | Count |
|------|----------------------------------|-------|
| 48 | <i>Citharichthys sordidus</i> | 456 |
| 49 | Paralepididae | 433 |
| 50 | <i>Parophrys vetulus</i> | 357 |
| 51 | <i>Lampadena urophaos</i> | 349 |
| 52 | <i>Nansenia crassa</i> | 344 |
| 53 | Trichiuridae | 330 |
| 54 | <i>Etrumeus acuminatus</i> | 316 |
| 55 | <i>Auxis</i> spp. | 309 |
| 56 | <i>Pleuronichthys verticalis</i> | 307 |
| 57 | <i>Seriola lalandi</i> | 306 |
| 58 | Haemulidae | 303 |
| 59 | <i>Stomias atriventer</i> | 289 |
| 60 | <i>Paralichthys californicus</i> | 287 |
| 61 | Cottidae | 277 |
| 62 | Sternoptychidae | 267 |
| 62 | Serranidae | 267 |
| 64 | <i>Hippoglossina stomata</i> | 242 |
| 65 | <i>Diogenichthys</i> spp. | 239 |
| 66 | <i>Opisthonema</i> spp. | 234 |
| 67 | Chiasmodontidae | 232 |
| 68 | Scopelarchidae | 218 |
| 69 | <i>Chauliodus macouni</i> | 195 |
| 70 | <i>Hygophum</i> spp. | 182 |
| 71 | Pomacentridae | 177 |
| 72 | <i>Microstomus pacificus</i> | 167 |
| 73 | <i>Caulolatilus princeps</i> | 165 |
| 74 | <i>Hypsoblennius</i> spp. | 164 |
| 74 | <i>Notoscopelus resplendens</i> | 164 |
| 76 | <i>Sphyraena argentea</i> | 154 |
| 77 | Clinidae | 142 |
| 78 | <i>Pleuronichthys</i> spp. | 135 |
| 79 | <i>Lampanyctus regalis</i> | 132 |
| 80 | Nomeidae | 131 |
| 81 | Anguilliformes | 126 |
| 82 | <i>Myctophum nitidulum</i> | 125 |
| 83 | Gerreidae | 120 |
| 84 | <i>Etropus</i> spp. | 113 |
| 85 | <i>Coryphaena hippurus</i> | 102 |
| 86 | <i>Syacium ovale</i> | 100 |
| 87 | Trachipteridae | 98 |
| 88 | <i>Scopelogadus bispinosus</i> | 94 |
| 89 | <i>Hygophum reinhardtii</i> | 90 |
| 90 | <i>Idiacanthus antrostomus</i> | 87 |
| 91 | <i>Poromitra</i> spp. | 80 |
| 91 | <i>Brosmophycis marginata</i> | 80 |
| 93 | <i>Ichthyococcus</i> spp. | 69 |
| 94 | Agonidae | 68 |
| 95 | Carangidae | 65 |
| 96 | Scombridae | 60 |

TABLE 3. (cont.)

| Rank | Taxon | Count |
|------|-----------------------------------|-------|
| 97 | <i>Glyptocephalus zachirus</i> | 59 |
| 97 | <i>Tactostoma macropus</i> | 59 |
| 99 | <i>Psettichthys melanostictus</i> | 58 |
| 100 | Ceratioidei | 57 |
| 101 | <i>Microstoma microstoma</i> | 56 |
| 102 | <i>Medialuna californiensis</i> | 54 |
| 103 | <i>Nansenia candida</i> | 52 |
| 104 | <i>Chromis punctipinnis</i> | 50 |
| 105 | <i>Brama</i> spp. | 48 |
| 106 | <i>Physiculus</i> spp. | 47 |
| 107 | Cyclopteridae | 44 |
| 108 | <i>Cololabis saira</i> | 41 |
| 109 | <i>Aristostomias scintillans</i> | 40 |
| 110 | <i>Xystreurys liolepis</i> | 39 |
| 111 | <i>Scorpaenichthys marmoratus</i> | 36 |
| 112 | <i>Myctophum aurolaternatum</i> | 34 |
| 112 | <i>Pleuronichthys decurrens</i> | 34 |
| 114 | Pleuronectiformes | 31 |
| 114 | <i>Pleuronichthys coenosus</i> | 31 |
| 116 | <i>Chilara taylori</i> | 30 |
| 116 | Moridae | 30 |
| 118 | <i>Loweina rara</i> | 27 |
| 119 | Exocoetidae | 21 |
| 120 | <i>Bothus</i> spp. | 19 |
| 121 | <i>Syngnathus</i> spp. | 17 |
| 121 | <i>Bathophilus</i> spp. | 17 |
| 123 | <i>Bathylagus</i> spp. | 16 |
| 124 | <i>Oxylebius pictus</i> | 14 |
| 124 | Hexagrammidae | 14 |
| 124 | <i>Sebastolobus</i> spp. | 14 |
| 127 | <i>Pleuronichthys ritteri</i> | 13 |
| 128 | <i>Girella nigricans</i> | 11 |
| 128 | <i>Albula vulpes</i> | 11 |
| 130 | <i>Macroramphosus gracilis</i> | 10 |
| 130 | Stomiiformes | 10 |
| 132 | Macrouridae | 8 |
| 132 | <i>Bathylagus pacificus</i> | 8 |
| 134 | <i>Sarda chiliensis</i> | 7 |
| 134 | Scorpaenidae | 7 |
| 134 | <i>Aulopus</i> spp. | 7 |
| 134 | <i>Diplophos taenia</i> | 7 |
| 138 | Blennioidei | 6 |
| 139 | <i>Ophiodon elongatus</i> | 5 |
| 139 | <i>Zaniolepis</i> spp. | 5 |
| 139 | Uranoscopidae | 5 |
| 142 | <i>Scomberomorus</i> spp. | 3 |
| 142 | Hemiramphidae | 3 |
| 142 | Atherinidae | 3 |
| 142 | Gobiesocidae | 3 |

TABLE 3. (cont.)

| Rank | Taxon | Count |
|------|------------------------------|--------|
| 142 | <i>Hypsopsetta guttulata</i> | 3 |
| 142 | <i>Anotopterus pharao</i> | 3 |
| 142 | Antennariidae | 3 |
| 149 | <i>Mugil</i> spp. | 2 |
| | Total | 495070 |

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1957. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied more than once during a calendar month. Unoccupied stations are indicated by a dash.

Albula vulpes

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.9 | - | - |

Anguilliformes

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 107.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 2.8 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 60.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 127.0 | 34.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | 0.0 | 0.0 | - | - |
| 130.0 | 55.0 | - | - | 0.0 | - | 3.0 | 0.0 | - | - | - | - | - |
| 133.0 | 35.0 | - | 3.2 | 0.0 | - | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 133.0 | 70.0 | - | - | 0.0 | - | - | 3.2 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 3.3 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | 7.3 | - | - |
| 137.0 | 40.0 | 0.0 | 5.8 | 0.0 | - | 0.0 | 0.0 | - | - | 6.3 | - | - |
| 137.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 140.0 | 40.0 | 0.0 | 3.2 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 45.0 | - | - | 2.3 | - | - | - | - | - | - | - | - |
| 143.0 | 50.0 | 0.0 | 0.0 | - | - | 3.5 | - | - | - | - | - | - |
| 147.0 | 30.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | - | - | - | - |
| 147.0 | 45.0 | - | - | 2.6 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | 0.0 | - | 0.0 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 30.0 | 0.0 | - | 3.1 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 20.0 | 0.0 | - | 0.0 | - | 5.6 | - | - | - | - | - | - |

Etrumeus acuminatus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 24.2 | 0.0 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 7.5 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 3.1 | - | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 | 6.0 | 2.6 | - | - |

TABLE 4. (cont.)

Etrumeus acuminatus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 6.2 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 6.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 10.1 | 3.0 | 5.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 8.2 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.4 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.4 | 0.0 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 32.2 | 32.7 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 153.0 | 16.0 | - | - | 0.0 | - | 6.0 | - | - | - | - | - | - |

Opisthonema spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|-------|------|------|------|------|
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 204.1 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | - | - |

Sardinops sagax

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|-------|-------|------|------|------|------|------|-------|------|
| 67.0 | 80.0 | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 70.0 | 70.0 | - | - | - | 0.0 | 0.0 | 4.2 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 52.7 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 0.0 | 6.2 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 9.0 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 0.0 | 19.2 | 0.0 | - | - | - | - | - |
| 80.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 16.6 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | - | - | 0.0 | - | - |
| 82.0 | 47.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 47.5 | - | - | 0.0 | 0.0 | - |
| 83.0 | 51.0 | - | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 218.5 | - |
| 83.0 | 85.0 | - | - | - | - | 2.9 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 45.0 | - | 0.0 | 65.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 8.3 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | - | 0.0 | - | 716.7 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | - | 0.0 | 0.0 | 82.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 93.0 | 45.0 | - | - | 259.6 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | - | 0.0 | 44.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Sardinops sagax (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|------|-------|------|-------|-------|-------|-------|------|------|
| 93.0 | 55.0 | - | - | 0.0 | 40.6 | 16.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 0.0 | 463.5 | 7.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 10.2 | 3.7 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 10.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 196.2 | 0.0 | 2.0 | - | - | - | 0.0 | - |
| 97.0 | 32.0 | 0.0 | - | 0.0 | 12.8 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 55.0 | - | - | - | 0.0 | 6.6 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 5.2 | 25.6 | 32.9 | - | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 105.5 | 35.8 | 0.0 | 0.0 | 48.9 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 27.2 | 29.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | - | 116.2 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | - | 3.2 | 3.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 33.0 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.7 | 2.4 | 0.0 | - | - |
| 110.0 | 40.0 | 8.4 | 3.3 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 12.1 | - | 0.0 | - | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55.9 | 5.4 | 23.7 | 2.8 | - | - |
| 113.0 | 35.0 | 0.0 | 25.4 | 0.0 | 0.0 | 0.0 | 4.0 | 2.7 | 6.3 | 0.0 | - | - |
| 113.0 | 40.0 | 12.6 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 199.4 | 0.0 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 0.0 | 3.1 | - | - | - |
| 117.0 | 26.0 | 37.8 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 254.0 | 8.0 | 120.4 | - | - |
| 117.0 | 30.0 | 202.3 | 249.5 | 0.0 | 0.0 | 0.0 | 0.0 | 20.5 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 317.4 | 0.0 | 0.0 | 0.0 | 3.8 | 9.6 | 6.0 | 4.8 | - | - |
| 117.0 | 40.0 | 0.0 | 14.9 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 49.5 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 137.4 | 16.6 | 0.0 | - | - | - | - | - |
| 117.0 | 50.0 | 0.0 | 6.2 | 0.0 | 14.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 3.2 | 2.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 42.3 | 40.6 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 393.8 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 215.3 | - | - | - | - |
| 119.0 | 33.0 | - | - | 0.0 | 0.0 | 0.0 | 20.6 | 37.7 | 83.4 | 52.0 | - | - |
| 120.0 | 25.0 | 11.9 | 23.8 | 0.0 | 0.0 | 0.0 | 703.9 | 230.9 | 22.2 | 47.9 | - | - |
| 120.0 | 30.0 | 64.0 | 0.0 | 0.0 | 0.0 | 0.0 | 410.2 | 23.4 | 27.8 | 42.2 | - | - |
| 120.0 | 35.0 | 37.3 | 4.9 | 0.0 | 0.0 | 3.4 | 51.7 | 76.7 | 92.7 | 18.2 | - | - |
| 120.0 | 40.0 | 7.5 | 16.4 | 0.0 | 0.0 | 1.8 | 60.5 | 136.0 | 247.8 | 0.0 | - | - |
| 120.0 | 45.0 | 8.3 | 2.8 | - | 0.0 | 0.0 | 0.0 | 2.9 | 8.5 | 0.0 | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 120.0 | 37.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 | 20.2 | 29.9 | - | - |
| 123.0 | 42.0 | 0.0 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 3.0 | 0.0 | - | - | - |
| 123.0 | 55.0 | 9.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Sardinops sagax (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|------|-----|------|------|-------|------|------|------|------|
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 127.0 | 34.0 | 57.9 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 184.3 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.9 | 0.0 | 3.8 | - | - |
| 127.0 | 45.0 | 0.0 | 98.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 37.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 0.0 | 13.5 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 | 30.0 | 6.4 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | - | 3.2 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 76.7 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 35.0 | 14.6 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - |
| 140.0 | 40.0 | 8.6 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 50.0 | 0.0 | 3.1 | - | - | - | - | - | - | - | - | - |
| 147.0 | 20.0 | 46.3 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | 58.1 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 148.0 | 20.0 | - | - | - | - | 23.3 | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | - | - | 18.3 | - | - | - | - | - | - |
| 148.0 | 30.0 | - | - | - | - | 6.9 | - | - | - | - | - | - |
| 150.0 | 25.0 | 221.8 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 | 30.0 | - | 7.6 | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 6.3 | 0.0 | - | - | - | - | - | - | - | - |

Engraulis mordax

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|--------|------|------|-----|------|-------|------|------|------|-------|-------|
| 60.0 | 55.0 | - | - | - | 4.8 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 52.0 | - | - | - | 4.4 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 0.0 | 13.0 | 0.0 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 67.0 | 50.0 | - | - | - | 0.0 | 3.3 | - | - | - | - | 0.0 | - |
| 70.0 | 60.0 | - | - | - | 0.0 | 6.3 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 0.0 | 0.0 | 4.2 | - | - | - | 0.0 | - |
| 70.0 | 80.0 | - | - | - | 0.0 | 25.5 | - | - | - | - | 0.0 | - |
| 73.0 | 50.0 | - | - | - | 0.0 | 0.0 | 4.8 | - | - | - | - | - |
| 73.0 | 51.0 | - | - | - | - | - | - | - | - | - | 33.9 | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 46.3 | 0.0 | - | - | - | 12.7 | - |
| 73.0 | 60.0 | - | - | - | 4.6 | 24.2 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 77.0 | 50.0 | - | - | - | 0.0 | 0.0 | 6.6 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 80.0 | 51.0 | 3027.7 | 3.0 | 0.0 | 0.0 | 25.4 | 78.3 | - | - | 13.8 | - | 296.0 |
| 80.0 | 55.0 | 23.8 | 0.0 | 0.0 | 0.0 | 0.0 | 588.6 | - | - | 0.0 | 593.6 | 57.0 |

TABLE 4. (cont.)

Engraulis mordax (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|--------|-------|--------|--------|--------|-------|------|------|-------|-------|------|
| 80.0 | 60.0 | 64.2 | 0.0 | 0.0 | 0.0 | 0.0 | 206.1 | - | - | 2.7 | 70.6 | 66.1 |
| 80.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 5.6 | 3.3 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 82.0 | 47.0 | 0.0 | 2.8 | 72.9 | 158.4 | 0.0 | 10.6 | - | - | 10.5 | 439.9 | - |
| 83.0 | 40.0 | 406.0 | 4.1 | 204.9 | 4613.5 | 520.2 | 252.9 | - | - | 9.1 | 83.6 | - |
| 83.0 | 43.0 | 119.6 | 2.8 | 33.0 | 282.2 | 256.8 | 815.3 | - | - | 63.9 | 299.5 | - |
| 83.0 | 48.0 | - | 10.1 | - | - | - | - | - | - | - | - | - |
| 83.0 | 51.0 | 470.1 | - | 96.4 | 13.8 | 507.6 | 9.7 | - | - | 0.0 | 112.9 | - |
| 83.0 | 52.0 | 164.5 | 16.2 | - | - | - | - | - | - | - | - | - |
| 83.0 | 55.0 | - | - | - | 0.0 | 134.8 | 28.5 | - | - | - | 11.5 | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 2.3 | - | - |
| 86.0 | 46.0 | 245.4 | - | 487.1 | - | - | - | - | - | - | - | - |
| 87.0 | 35.0 | 1377.7 | - | - | 1392.6 | - | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 301.0 | 1246.1 | 2936.3 | - | 31.0 | - | - | 0.0 | 15.8 | - |
| 87.0 | 38.0 | 6084.2 | - | - | - | - | - | - | - | - | - | - |
| 87.0 | 40.0 | 8886.2 | 927.4 | 554.0 | 2111.2 | 258.6 | - | - | - | 0.0 | 0.0 | - |
| 87.0 | 45.0 | - | 68.6 | - | 1656.5 | 134.6 | 59.2 | - | - | 3.1 | 0.0 | - |
| 87.0 | 50.0 | 14.9 | 35.0 | 2449.3 | 43.9 | 346.8 | 331.8 | - | - | 9.5 | 6.5 | - |
| 87.0 | 55.0 | 61.0 | - | - | 0.0 | 369.2 | 82.9 | - | - | 0.0 | 2.6 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 937.5 | 19.0 | - | - | 0.0 | 68.9 | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 5.5 | 0.0 | - | - | - | - | - |
| 87.0 | 70.0 | 0.0 | 588.0 | 0.0 | 0.0 | 51.8 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 75.0 | - | - | - | 0.0 | 23.6 | 0.0 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 0.0 | 6.3 | - | - | - | 0.0 | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 97.7 | - | - | 0.0 | - | 0.0 |
| 90.0 | 28.0 | 279.5 | 720.0 | 2972.0 | 337.7 | 1834.1 | 0.0 | - | - | 0.0 | 326.3 | 13.2 |
| 90.0 | 30.0 | 75.1 | 233.1 | 580.2 | 487.6 | 1111.1 | 26.2 | - | - | 53.8 | 41.2 | 0.0 |
| 90.0 | 37.0 | 42.3 | 878.9 | 905.2 | 298.0 | 2054.4 | 228.4 | - | - | 123.9 | 46.3 | 6.0 |
| 90.0 | 45.0 | 0.0 | 172.3 | 776.4 | 103.0 | 529.8 | 465.3 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 66.5 | 14.4 | 75.2 | - | - | 1.4 | 0.0 | 0.0 |
| 90.0 | 55.0 | 402.6 | 0.0 | 40.7 | 0.0 | 28.0 | 160.5 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | 66.9 | 96.9 | 2.9 | 0.0 | 226.8 | 42.1 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 28.2 | 9.3 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 70.0 | 0.0 | 828.8 | 0.0 | 0.0 | 6.3 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 6.5 | 15.0 | 0.0 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 343.2 | 12.4 | 0.0 | 0.0 | 2.6 | - | - | 0.0 | - | 0.0 |
| 90.0 | 85.0 | - | - | - | 2.5 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 0.0 | 231.7 | 0.0 | 10.1 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 27.0 | 1618.7 | 405.5 | 1180.6 | 333.0 | 129.5 | 0.0 | - | - | 2.8 | 19.6 | - |
| 93.0 | 30.0 | 154.9 | 252.4 | 1418.6 | 1104.3 | 2.9 | 0.0 | - | - | 0.0 | 3.0 | - |
| 93.0 | 35.0 | - | - | 642.3 | 445.1 | 3.1 | 213.3 | - | - | 13.4 | 2.3 | - |
| 93.0 | 40.0 | 908.6 | 129.2 | 1200.0 | 0.0 | 21.6 | 5.2 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 1236.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 1149.5 | 463.5 | 268.6 | 13.7 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 192.0 | 0.0 | 101.7 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 121.0 | 239.8 | 57.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.0 | - |

TABLE 4. (cont.)

Engraulis mordax (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|--------|-------|-------|-------|------|-------|-------|------|------|-------|------|
| 93.0 | 90.0 | - | - | 19.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 106.8 | 369.4 | 367.2 | 312.2 | 0.0 | 25.9 | - | - | - | 42.1 | - |
| 97.0 | 32.0 | 164.5 | - | 345.3 | 19.1 | 0.0 | 17.4 | - | - | - | 22.9 | 66.4 |
| 97.0 | 35.0 | - | - | - | - | - | - | - | - | - | 14.0 | - |
| 97.0 | 40.0 | 142.1 | 316.2 | 12.0 | 0.0 | 0.0 | 414.5 | - | - | - | 127.4 | - |
| 97.0 | 45.0 | - | - | 18.4 | 5.2 | 0.0 | 0.0 | - | - | - | 3.7 | - |
| 97.0 | 50.0 | 0.0 | 34.2 | - | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 0.0 | 65.8 | 0.0 | - | - | - | 2.7 | - |
| 97.0 | 60.0 | 337.0 | - | 38.4 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 5.8 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | - | - | 23.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 324.9 | 72.3 | 11.9 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 95.4 | 27.9 | - | - | - | 0.0 | - | - | - | 3.2 | - |
| 100.0 | 30.0 | - | - | - | - | - | - | - | - | - | - | - |
| 100.0 | 32.0 | - | - | 193.1 | 792.4 | 0.0 | 5.6 | - | - | - | - | - |
| 100.0 | 33.0 | 291.2 | 123.1 | - | - | - | - | - | - | - | - | - |
| 100.0 | 35.0 | - | - | 63.7 | 3.7 | 0.0 | 8.0 | - | - | - | 6.6 | 0.0 |
| 100.0 | 40.0 | 1008.0 | 30.6 | 34.7 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 45.0 | - | - | 3.1 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 44.8 | 0.0 | 0.0 | 9.1 | 6.6 | 0.0 | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 6.2 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 27.3 | 0.0 | 33.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 70.0 | 0.0 | - | 1.8 | 0.0 | 0.0 | 0.0 | - | - | - | 220.1 | - |
| 103.0 | 30.0 | 353.6 | 58.6 | 378.9 | 424.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 442.9 | 8.7 | 0.0 | 3.3 | 0.0 | 3.2 | - | - | - | 0.0 | - |
| 103.0 | 38.0 | 275.5 | - | - | - | - | - | - | - | - | 25.2 | - |
| 103.0 | 40.0 | 25.1 | 0.0 | 8.5 | 0.0 | 0.0 | 11.6 | - | - | - | - | - |
| 103.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | 0.0 |
| 103.0 | 50.0 | 57.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 0.0 | 0.0 | - | - | - | - | - | - |
| 107.0 | 32.0 | - | 83.0 | 121.2 | 443.5 | - | 3.7 | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 234.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 26.6 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 107.0 | 45.0 | 0.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 50.0 | 65.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 60.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 65.0 | - | - | - | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 110.0 | 33.0 | 1357.2 | 9.0 | 42.9 | 0.0 | 3.2 | - | 150.8 | 2.4 | 3.0 | - | - |
| 110.0 | 35.0 | 370.8 | 105.3 | 125.6 | 0.0 | 15.5 | - | 38.2 | 3.5 | 0.0 | - | - |
| 110.0 | 40.0 | 334.8 | 3.3 | 176.5 | 23.4 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 3.0 | 9.2 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 65.0 | - | - | - | 10.6 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 70.0 | 0.0 | 0.0 | 0.0 | 21.2 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 75.0 | - | - | - | 40.5 | 55.1 | - | 0.0 | - | - | - | - |

TABLE 4. (cont.)

Engraulis mordax (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|-------|--------|--------|-------|-------|--------|-------|-------|------|------|------|------|
| 110.0 | 80.0 | 0.0 | — | 0.0 | 0.0 | 11.8 | — | 0.0 | — | 0.0 | — | — |
| 113.0 | 30.0 | 271.4 | 87.3 | 232.2 | 0.0 | 7.2 | 24.8 | 248.4 | 0.0 | 2.8 | — | — |
| 113.0 | 35.0 | 38.1 | 190.2 | 11.9 | 186.0 | 2.7 | 335.8 | 138.3 | 3.1 | 0.0 | — | — |
| 113.0 | 40.0 | 252.0 | 28.0 | 0.0 | 908.9 | 6.1 | 3.2 | 0.0 | 0.0 | 0.0 | — | — |
| 113.0 | 45.0 | — | — | 0.0 | 2.7 | 3.2 | 0.0 | — | — | — | — | — |
| 113.0 | 50.0 | 0.0 | 3.3 | 0.0 | 39.8 | 19.7 | 0.0 | — | — | 0.0 | — | — |
| 113.0 | 55.0 | — | — | 0.0 | 0.0 | 14.4 | 0.0 | — | — | — | — | — |
| 113.0 | 60.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | — | — | 0.0 | — | — |
| 113.0 | 65.0 | — | — | 0.0 | 16.3 | 4.8 | 0.0 | — | — | — | — | — |
| 113.0 | 75.0 | — | — | — | 2.6 | 0.0 | 0.0 | — | — | — | — | — |
| 115.0 | 27.0 | — | — | — | — | — | — | 63.6 | 0.0 | — | — | — |
| 115.0 | 30.0 | — | — | — | — | — | — | 50.7 | 0.0 | — | — | — |
| 115.0 | 35.0 | — | — | — | — | — | — | 0.0 | 5.8 | — | — | — |
| 117.0 | 26.0 | 1170.6 | 0.0 | 36.8 | 30.1 | 144.0 | 6.8 | 38.0 | 0.0 | 33.1 | — | — |
| 117.0 | 30.0 | 2730.5 | 160.2 | 19.2 | 51.3 | 237.3 | 7.3 | 641.7 | 0.0 | 2.3 | — | — |
| 117.0 | 35.0 | 256.3 | 1366.2 | 0.0 | 4.1 | 46.5 | 11.4 | 96.0 | 3.0 | 0.0 | — | — |
| 117.0 | 40.0 | 1003.9 | 27.7 | 68.5 | 8.2 | 180.9 | 53.6 | 5.5 | 13.2 | 0.0 | — | — |
| 117.0 | 45.0 | — | — | 0.0 | 0.0 | 3.8 | 0.0 | — | — | — | — | — |
| 117.0 | 50.0 | 142.6 | 45.0 | 87.4 | 22.4 | 3.1 | 3.3 | — | — | 0.0 | — | — |
| 117.0 | 55.0 | — | — | 0.0 | 522.9 | 7.7 | 0.0 | — | — | — | — | — |
| 117.0 | 60.0 | 29.7 | 0.0 | 21.0 | 6.2 | 2.5 | 0.0 | — | — | 0.0 | — | — |
| 117.0 | 65.0 | — | — | 0.0 | 0.0 | 11.9 | 0.0 | — | — | — | — | — |
| 117.0 | 70.0 | 0.0 | 6.4 | 0.0 | 0.0 | 2.5 | 0.0 | — | — | 0.0 | — | — |
| 118.0 | 39.0 | — | 239.0 | 0.0 | 36.2 | 14.5 | 0.0 | — | — | 0.0 | — | — |
| 118.5 | 25.0 | — | — | — | — | — | — | 12.1 | 0.0 | — | — | — |
| 118.5 | 30.0 | — | — | — | — | — | — | 3.2 | 3.8 | — | — | — |
| 119.0 | 33.0 | — | 375.8 | 0.0 | 257.3 | 84.9 | 78.9 | 0.0 | 0.0 | 0.0 | — | — |
| 120.0 | 25.0 | 542.4 | 1811.8 | 17.1 | 25.9 | 723.2 | 0.0 | 26.6 | 0.0 | 0.0 | — | — |
| 120.0 | 30.0 | 339.5 | 1511.9 | 2.1 | 156.2 | 488.4 | 494.2 | 10.0 | 0.0 | 0.0 | — | — |
| 120.0 | 35.0 | 7.0 | 38.9 | 22.8 | 0.0 | 2972.0 | 218.1 | 21.3 | 0.0 | 0.0 | — | — |
| 120.0 | 40.0 | 12.5 | 42.3 | 0.0 | 10.6 | 8.9 | 162.5 | 24.4 | 0.0 | 0.0 | — | — |
| 120.0 | 45.0 | 22.2 | 127.4 | — | 20.2 | 6.4 | 0.0 | 2.9 | 0.0 | 0.0 | — | — |
| 120.0 | 50.0 | 0.0 | — | 23.1 | 52.0 | 2.5 | 0.0 | — | — | — | — | — |
| 120.0 | 55.0 | 5.6 | — | 0.0 | 8.4 | 0.0 | 3.3 | — | — | 0.0 | — | — |
| 120.0 | 60.0 | 18.5 | 11.4 | 0.0 | 139.7 | 0.0 | 0.0 | — | — | — | — | — |
| 120.0 | 65.0 | — | — | — | 278.8 | 10.3 | 0.0 | — | — | 0.0 | — | — |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.9 | 11.5 | 6.7 | — | — | — | — | — |
| 120.0 | 75.0 | — | — | — | 0.0 | 0.0 | 3.4 | — | — | — | — | — |
| 123.0 | 37.0 | 125.5 | 119.0 | 0.0 | 49.0 | 6.5 | 5.8 | 0.0 | 0.0 | 0.0 | — | — |
| 123.0 | 42.0 | 22.2 | 58.7 | 17.3 | 27.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | — | — |
| 123.0 | 50.0 | 2.8 | 33.3 | 0.0 | — | 0.0 | 81.5 | — | — | 0.0 | — | — |
| 123.0 | 55.0 | — | 154.4 | 0.0 | — | 0.0 | 6.2 | — | — | — | — | — |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — | — | 0.0 | — | — |
| 123.0 | 70.0 | — | — | 2.1 | — | — | 0.0 | — | — | 0.0 | — | — |
| 123.0 | 810.1 | 94.7 | 112.8 | 11.4 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | — |
| 127.0 | 34.0 | 600.6 | 112.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | — | — |
| 127.0 | 40.0 | — | — | — | — | — | — | — | — | — | — | — |

TABLE 4. (cont.)

Engraulis mordax (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|--------|-------|-------|-------|--------|--------|------|------|------|------|------|
| 127.0 | 45.0 | 602.4 | 241.1 | 24.3 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 81.9 | 10.6 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 3.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 60.0 | 5.3 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 30.0 | 1945.6 | 42.7 | 0.0 | 47.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 58.1 | 0.0 | 29.4 | 0.0 | 12.4 | 574.1 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 369.9 | 2.7 | 0.0 | 4.4 | 31.3 | 1511.4 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 47.2 | 0.0 | 0.0 | - | - | - |
| 130.0 | 50.0 | 6.0 | 6.8 | 0.0 | 0.0 | 0.0 | 12.3 | - | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 6877.9 | 102.4 | 0.0 | 111.8 | 1612.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 1469.4 | 152.9 | 19.4 | 95.1 | 54.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | 0.0 | 74.1 | 14.9 | - | 85.7 | 3.4 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 5.7 | 106.9 | 2.7 | 39.9 | 85.8 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | 3.2 | 0.0 | 0.0 | 9.4 | 0.0 | 466.4 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 25.6 | 11.4 | 46.2 | 123.6 | 126.8 | 0.0 | 0.0 | 0.0 | 21.8 | - | - |
| 137.0 | 30.0 | 10.0 | 5.6 | 0.0 | 97.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 206.6 | 554.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 17.6 | 232.8 | 57.1 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 23.9 | - | 2.1 | 3.3 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | 2.4 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 140.0 | 30.0 | 0.0 | 18.9 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 35.0 | 3.7 | 41.3 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 5.7 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 50.0 | 3.4 | 0.0 | 10.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 26.0 | 0.0 | 5.9 | 5.2 | - | - | - | - | - | - | - | - |
| 143.0 | 30.0 | 0.0 | 3.3 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 0.0 | 9.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 0.0 | 0.0 | - | 3.8 | - | - | - | - | - | - |
| 147.0 | 20.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 153.0 | 30.0 | 3.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |

Argentina sialis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 87.0 | 35.0 | 5.3 | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 40.0 | 0.0 | 11.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 | 30.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 32.0 | - | 0.0 | 6.4 | 9.2 | - | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 30.0 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Argentina sialis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|------|------|------|------|------|------|------|------|------|
| 117.0 | 26.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 52.8 | 3.1 | 38.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 124.2 | 13.8 | 3.8 | 0.0 | 7.4 | 0.0 | 6.4 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 21.4 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 60.0 | 0.0 | 6.1 | 0.0 | 10.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 65.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | 57.4 | 6.5 | 3.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 119.0 | 33.0 | - | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 119.0 | 35.0 | 23.8 | 11.9 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 117.2 | 72.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | - | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 13.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - |
| 120.0 | 50.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 12.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Microstoma microstoma

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 73.0 | 90.0 | - | - | - | - | 3.4 | - | - | - | - | - | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.2 | - |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.1 |
| 90.0 | 85.0 | - | - | - | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 3.3 |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.8 | - | 0.0 |
| 97.0 | 32.0 | 0.0 | - | 5.7 | 0.0 | 0.0 | 0.0 | - | - | - | 2.1 | - |
| 97.0 | 70.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 75.0 | - | - | - | 3.3 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 2.8 | 6.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.3 | - |
| 107.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 2.9 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |

TABLE 4. (cont.)

Nansenia candida

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.0 | 90.0 | - | - | - | - | 3.2 | - | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 83.0 | 65.0 | - | - | - | - | 3.2 | 0.0 | - | - | - | - | - |
| 83.0 | 85.0 | - | - | - | - | 2.9 | 0.0 | - | - | - | - | - |
| 83.0 | 90.0 | - | - | 0.0 | 6.6 | 0.0 | - | - | - | 0.0 | - | 0.0 |
| 90.0 | 60.0 | - | 0.0 | 0.0 | 27.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 103.0 | 65.0 | - | - | - | 5.3 | 0.0 | 0.0 | - | - | - | - | - |

Nansenia crassa

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 | 32.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 100.0 | 80.0 | 0.0 | - | 3.4 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.7 |
| 107.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 65.0 | - | - | 0.0 | 6.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 70.0 | 0.0 | 6.2 | 0.0 | 3.1 | 0.0 | 0.0 | 3.2 | - | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 2.8 | 0.0 | 0.0 | 3.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 70.0 | 0.0 | 3.1 | 0.0 | 2.7 | 3.5 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 85.0 | - | - | - | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 113.0 | 30.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 3.1 | - | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 65.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 5.5 | - | - | 2.5 | 3.2 | 0.0 | 8.8 | 0.0 | 0.0 | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 42.0 | 5.5 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 60.0 | 5.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | - |
| 127.0 | 34.0 | 2.6 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.8 | - | - |
| 127.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | - | - |
| 127.0 | 50.0 | 10.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 60.0 | 2.8 | 5.3 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Nansenia crassa (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 | 35.0 | 5.3 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 34.7 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 2.8 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 60.0 | 8.6 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 30.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 2.9 | 2.7 | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | - | 0.0 | 2.9 | - | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.3 | - | - |
| 140.0 | 50.0 | - | 3.4 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | - | 0.0 | 12.3 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 50.0 | - | 3.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 55.0 | - | - | 2.5 | - | - | - | - | - | - | - | - |

Bathylagus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 | 51.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | - | - | 0.0 | - | 0.0 |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 153.0 | 16.0 | - | 0.0 | 2.5 | - | 0.0 | - | - | - | - | - | - |

Bathylagus ochotensis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 55.0 | - | - | - | 9.7 | 0.0 | 0.0 | - | - | - | - | - |
| 60.0 | 70.0 | - | - | - | 67.8 | 0.0 | 0.0 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 25.1 | 11.6 | - | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 6.6 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 3.6 | 6.7 | 0.0 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 3.9 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 90.0 | - | - | - | - | 3.6 | - | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 6.9 | 6.4 | 0.0 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 17.6 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 24.7 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 4.0 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 7.0 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 17.2 | 6.3 | 0.0 | - | - | - | - | - |
| 70.0 | 70.0 | - | - | - | 4.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 90.0 | - | - | - | 0.0 | 5.5 | - | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 0.0 | 12.1 | 0.0 | - | - | - | 0.0 | - |
| 77.0 | 50.0 | - | - | - | 0.0 | 6.1 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 16.1 | 6.4 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.0 | 70.0 | - | - | - | 29.7 | 11.5 | 0.0 | - | - | - | - | - |
| 80.0 | 55.0 | 0.0 | 0.0 | 7.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 60.0 | 3.4 | 0.0 | 9.7 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | 0.0 | 0.0 |
| 80.0 | 70.0 | 21.8 | 0.0 | 0.0 | 28.6 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | 5.9 | 11.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 0.0 | 5.9 | 5.8 | 7.3 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 82.0 | 47.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 48.0 | - | 2.5 | - | - | - | - | - | - | - | - | - |
| 83.0 | 52.0 | 0.0 | 2.7 | - | - | - | - | - | - | - | - | - |
| 83.0 | 60.0 | 9.4 | 23.5 | 14.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 70.0 | - | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 8.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 90.0 | - | - | 2.3 | 0.0 | 3.0 | - | - | - | 0.0 | - | 0.0 |
| 86.0 | 46.0 | 0.0 | - | 4.9 | - | - | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 6.0 | 4.1 | 0.0 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 40.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 87.0 | 45.0 | - | 6.2 | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.2 | - |
| 87.0 | 70.0 | 22.6 | 47.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 9.4 | - | - | - | 0.0 | - | - |
| 87.0 | 85.0 | - | - | - | 5.6 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 87.0 | 90.0 | - | - | 0.0 | 6.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 28.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 0.0 | 12.4 | 3.2 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 2.9 | 13.2 | 0.0 | 7.2 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 54.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | 0.0 | 5.7 | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 9.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 70.0 | 0.0 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 9.8 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 17.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 6.5 | 0.0 | 5.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 12.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | 0.0 | 0.0 | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | - | 25.9 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 10.2 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 19.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 85.0 | - | - | - | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | 0.0 |
| 97.0 | 32.0 | 0.0 | - | 5.7 | 3.2 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 22.8 | - | 5.7 | 0.0 | 2.7 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 | 55.0 | - | - | - | 0.0 | 0.0 | 8.6 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 0.0 | 5.2 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 0.0 | 10.3 | 10.4 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 38.0 | 0.0 | - | - | - | - | - | - | - | - | - | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 2.8 | 3.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 107.0 | 45.0 | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | 0.0 | - | 0.0 | 3.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 117.0 | 60.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |

Bathylagus pacificus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 77.0 | 80.0 | - | - | - | 0.0 | 2.8 | 0.0 | - | - | - | - | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 5.5 | 0.0 | - | - | - | - | - |

Bathylagus wesethi

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.0 | 90.0 | - | - | - | - | 9.5 | - | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 11.0 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | - | 24.9 | 0.0 | - | - | - | - | - |
| 80.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.1 | 16.3 | - | - | 2.9 | - | 0.0 |
| 83.0 | 60.0 | 0.0 | 0.0 | 0.0 | 2.9 | 6.9 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 65.0 | - | - | - | - | 9.5 | 0.0 | - | - | - | - | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 21.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 85.0 | - | - | - | - | 14.7 | 2.8 | - | - | - | - | - |
| 83.0 | 90.0 | - | - | 0.0 | 16.4 | 0.0 | - | - | - | 2.6 | - | 0.0 |
| 87.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 5.9 | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 9.6 | - | - |
| 90.0 | 60.0 | 0.0 | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 75.0 | - | - | - | 0.0 | 0.0 | 4.8 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 6.3 | 0.0 | 0.0 | 6.7 | 26.4 | - | - | 0.0 | - | 9.8 |
| 93.0 | 30.0 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 4.4 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|-------|------|------|------|------|------|------|
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 0.0 | 4.5 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 11.5 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 10.7 | 0.0 | 64.4 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 7.0 | 57.0 | - | - | - | 9.5 | - |
| 93.0 | 85.0 | - | - | - | 6.9 | 7.1 | 0.0 | - | - | - | - | - |
| 93.0 | 90.0 | - | - | 19.1 | 0.0 | 0.0 | 0.0 | - | - | - | 6.9 | - |
| 97.0 | 32.0 | 0.0 | - | 0.0 | 0.0 | 6.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 50.0 | 0.0 | 0.0 | - | 0.0 | 11.3 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 0.0 | 0.0 | 2.9 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 66.6 | 15.3 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | 0.0 | 55.1 | 46.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 8.5 | 54.5 | 22.5 | 35.4 | - | - | - | 4.2 | - |
| 97.0 | 75.0 | - | - | - | 13.4 | 3.1 | 25.6 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 18.8 | 3.5 | 0.0 | 5.5 | - | - | - | 3.3 | - |
| 97.0 | 85.0 | - | - | - | 6.0 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 90.0 | - | - | 7.7 | 1.9 | 3.0 | 17.6 | - | - | - | 9.3 | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | 0.0 | 0.0 |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | - | - | - | - | - |
| 100.0 | 45.0 | - | - | 0.0 | 0.0 | 9.1 | 0.0 | - | - | - | - | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 8.4 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | 0.0 | 0.0 | 0.0 | 3.3 | 18.2 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | - | - | 48.2 | 43.2 | 49.8 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 42.2 | 229.1 | 11.2 | - | - | - | - | 17.0 | - |
| 100.0 | 75.0 | - | - | - | 104.9 | 9.1 | 25.4 | - | - | - | - | - |
| 100.0 | 80.0 | 0.0 | - | 27.3 | 65.1 | 0.0 | - | - | - | - | 6.0 | - |
| 100.0 | 85.0 | - | - | - | 17.1 | 21.6 | - | - | - | - | - | - |
| 100.0 | 90.0 | 0.0 | - | 21.3 | 9.6 | 53.4 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 65.6 | 61.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 13.8 | 171.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 30.7 | 15.5 | 2.8 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 26.0 | 10.1 | 2.5 | - | - | - | 3.4 | 0.0 |
| 103.0 | 55.0 | - | - | 28.0 | 10.7 | 0.0 | 33.3 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 58.0 | 48.6 | 379.7 | 98.8 | - | - | - | 6.4 | - |
| 103.0 | 65.0 | - | - | - | 182.9 | 36.9 | 18.6 | - | - | - | - | - |
| 103.0 | 70.0 | 0.0 | 15.5 | 60.8 | 25.7 | 9.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 75.0 | - | - | - | 29.3 | 3.4 | 2.6 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 15.1 | 89.2 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 48.4 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 10.8 | 0.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 46.2 | 10.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 6.7 | 11.3 | 13.7 | 11.5 | - | - | 3.6 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 0.0 | 10.1 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 3.0 | 0.0 | 47.3 | 0.0 | 0.0 | - | - | 8.7 | - | - |

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|------|-------|-------|------|------|------|------|
| 107.0 | 55.0 | - | - | 19.1 | 237.5 | 3.1 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 3.8 | 42.0 | 296.8 | 40.7 | 34.0 | - | - | 14.9 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 33.2 | 22.9 | 53.8 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | 28.0 | 15.2 | 47.2 | 57.8 | 0.0 | - | - | 6.5 | - | - |
| 107.0 | 75.0 | - | - | - | 19.1 | 15.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 80.0 | - | - | 3.3 | 9.6 | 10.7 | 6.9 | - | - | 0.0 | - | - |
| 107.0 | 85.0 | - | - | - | 14.2 | 0.0 | 111.0 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 2.8 | 5.8 | 6.4 | 23.9 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 21.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.0 | 2.9 | 2.8 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 12.1 | - | 13.0 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 2.9 | 0.0 | 5.9 | - | 13.2 | - | 8.5 | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 3.2 | 0.0 | - | 13.2 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 5.6 | 0.0 | 0.0 | 29.8 | - | 0.0 | - | 10.6 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 17.7 | - | 190.5 | - | - | - | 0.0 |
| 110.0 | 70.0 | 0.0 | 27.9 | 42.9 | 0.0 | 66.5 | - | 0.0 | - | 3.3 | - | - |
| 110.0 | 75.0 | - | - | 10.0 | 0.0 | 71.3 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | 0.0 | - | - | 30.2 | 17.7 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 85.0 | - | - | - | 22.2 | 4.3 | - | 0.0 | - | - | - | - |
| 110.0 | 90.0 | 0.0 | - | 13.4 | 39.5 | 0.0 | - | 3.4 | - | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 31.3 | 3.2 | - | - |
| 113.0 | 40.0 | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.1 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 5.5 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 13.3 | 0.0 | 0.0 | - | - | 7.2 | - | - |
| 113.0 | 55.0 | - | - | 6.4 | 0.0 | 14.4 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 10.6 | 0.0 | 2.9 | 0.0 | - | - | 13.0 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.6 | 7.0 | - | - | 0.0 | - | - |
| 113.0 | 75.0 | - | - | 0.0 | 0.0 | 10.2 | 10.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 8.8 | 8.9 | 65.5 | 0.0 | - | - | 38.4 | - | - |
| 113.0 | 85.0 | - | - | - | - | 14.7 | - | - | - | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 16.1 | - | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 10.8 | 0.0 | 12.5 | 3.3 | - | 0.0 | 0.0 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 0.0 | 5.2 | 3.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 9.2 | 10.5 | 0.0 | 0.0 | 20.7 | - | - | 12.2 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 2.7 | 4.5 | 0.0 | 0.0 | - | - | 2.2 | - | - |
| 117.0 | 75.0 | - | - | - | 13.5 | 0.0 | 3.4 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | 4.8 | 32.2 | 0.0 | 0.0 | - | - | 86.1 | - | - |
| 118.0 | 39.0 | - | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 57.8 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | 0.0 | 12.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 3.7 | 2.5 | 0.0 | 2.9 | 0.0 | - | - | 6.5 | - | - |
| 120.0 | 75.0 | - | - | - | 2.5 | 3.5 | 3.4 | - | - | - | - | - |

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 120.0 | 80.0 | 0.0 | 0.0 | 0.0 | 20.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 85.0 | - | - | - | - | 8.5 | - | - | - | - | - | - |
| 120.0 | 90.0 | - | - | - | - | 3.0 | - | - | - | 3.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 4.8 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 55.0 | 0.0 | 0.0 | 0.0 | - | 2.7 | 0.0 | - | - | - | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 6.0 | 3.1 | - | - | 3.1 | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | - | 3.3 | - | - | 3.1 | - | - |
| 123.0 | 80.0 | - | - | 0.0 | - | - | 3.0 | - | - | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 2.9 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 0.0 | 6.7 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 55.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 3.4 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 | 60.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 0.0 | 2.9 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 147.0 | 40.0 | 0.0 | 0.0 | 2.5 | - | - | - | - | - | - | - | - |
| 148.0 | 20.0 | - | - | - | - | 2.9 | - | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 0.0 | 32.4 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | 0.0 | - | 0.0 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 2.2 | - | 9.8 | - | - | - | - | - | - |
| 153.0 | 30.0 | 0.0 | - | 6.2 | - | 3.4 | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 8.4 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 20.0 | 3.5 | - | 2.7 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 0.0 | - | 11.1 | - | - | - | - | - | - |
| 157.0 | 30.0 | 0.0 | - | 0.0 | - | 5.8 | - | - | - | - | - | - |

Leuroglossus stilbius

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 80.0 | - | - | - | 16.7 | 0.0 | - | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 13.3 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 63.0 | 90.0 | - | - | - | - | 3.6 | - | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 4.1 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 0.0 | 0.0 | 6.2 | - | - | - | 0.0 | - |
| 70.0 | 60.0 | - | - | - | 0.0 | 6.3 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 0.0 | 0.0 | 4.2 | - | - | - | 0.0 | - |
| 73.0 | 80.0 | - | - | - | 3.5 | 12.8 | 4.8 | - | - | - | 3.4 | - |
| 73.0 | 50.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 73.0 | 51.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|--------|-------|-------|------|------|------|------|------|------|------|
| 73.0 | 55.0 | - | - | - | 6.2 | 0.0 | 13.7 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 13.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 7.8 | 12.3 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 9.0 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 64.3 | 0.0 | 3.6 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 29.7 | 0.0 | 7.5 | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 80.0 | 51.0 | 517.9 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 27.5 | 0.0 |
| 80.0 | 55.0 | 5.9 | 64.9 | 736.6 | 21.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 3.7 |
| 80.0 | 60.0 | 67.6 | 12.1 | 9.7 | 0.0 | 0.0 | 12.9 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | 43.7 | 0.0 | 0.0 | 28.6 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | 5.9 | 29.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | 0.0 | 0.0 | 4.7 | 0.0 |
| 82.0 | 47.0 | 74.8 | 360.3 | 62.1 | 149.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 | 40.0 | 156.6 | 6.2 | 7.9 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 | 43.0 | 311.0 | 319.8 | 72.6 | 121.0 | 0.0 | 4.3 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 | 48.0 | - | 105.8 | 101.2 | - | - | 2.4 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 | 51.0 | 289.3 | 105.3 | - | 3.5 | 0.0 | - | - | - | - | 0.0 | - |
| 83.0 | 52.0 | 0.0 | - | - | - | - | - | - | - | - | 0.0 | - |
| 83.0 | 55.0 | - | - | - | 27.2 | 10.1 | 2.8 | - | - | 0.0 | 0.0 | - |
| 83.0 | 60.0 | 37.4 | 11.8 | 67.0 | 2.9 | 3.4 | 0.0 | - | 0.0 | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 17.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | 0.0 |
| 83.0 | 90.0 | - | - | 0.0 | 3.3 | 0.0 | - | - | - | - | - | - |
| 86.0 | 46.0 | 81.8 | - | 196.8 | - | - | - | - | - | - | - | - |
| 87.0 | 35.0 | 128.2 | - | - | - | 0.0 | - | - | - | - | 2.3 | - |
| 87.0 | 36.0 | - | 3702.3 | 12.4 | 59.2 | - | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 38.0 | 484.8 | - | - | - | - | - | - | - | - | - | - |
| 87.0 | 40.0 | 734.4 | 2450.9 | 155.5 | 157.7 | 0.0 | - | - | 0.0 | 0.0 | 3.9 | - |
| 87.0 | 45.0 | - | 1497.6 | - | 194.9 | 4.1 | 26.9 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 443.8 | 192.6 | 1.8 | 0.0 | 4.7 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 55.0 | 20.3 | - | - | 6.5 | 39.8 | 2.9 | - | 0.0 | 0.0 | 7.8 | - |
| 87.0 | 60.0 | 0.0 | 47.3 | 0.0 | 0.0 | 7.5 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 22.2 | 3.4 | - | - | - | - | - |
| 87.0 | 70.0 | 0.0 | 917.3 | 11.4 | 0.0 | 0.0 | 18.8 | - | 0.0 | 0.0 | - | - |
| 87.0 | 75.0 | - | - | - | 6.7 | 3.0 | 0.0 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 12.4 | 3.1 | - | - | 0.0 | 0.0 | - | - |
| 87.0 | 85.0 | - | - | - | 41.7 | 2.7 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 31.1 | 12.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 28.0 | 27.4 | 400.5 | 75.8 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 30.0 | 0.0 | 759.2 | 39.2 | 9.4 | 0.0 | 2.6 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 84.5 | 1444.8 | 124.0 | 12.7 | 25.5 | 0.0 | - | 0.0 | 0.0 | 3.9 | 0.0 |
| 90.0 | 45.0 | 0.0 | 219.0 | 723.8 | 0.0 | 21.5 | 0.0 | - | 0.0 | 0.0 | 2.9 | 0.0 |
| 90.0 | 50.0 | - | - | - | 0.0 | 3.6 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 106.6 | 49.1 | 854.3 | 69.4 | 7.0 | 2.4 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 60.0 | 5.8 | 638.4 | 20.5 | 27.4 | 6.3 | 4.7 | - | - | 0.0 | 0.0 | - |
| 90.0 | 65.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 90.0 | 70.0 | 0.0 | 78.4 | 11.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 6.5 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 366.1 | 99.2 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 85.0 | - | - | - | 4.9 | 6.5 | 0.0 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 0.0 | 575.9 | 9.1 | 3.3 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 27.0 | 34.4 | 506.2 | 6.3 | 18.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 30.0 | 0.0 | 588.1 | 68.2 | 77.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | - | 44.0 | 6.2 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 90.4 | 60.0 | 32.3 | 0.0 | 2.9 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 457.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 98.9 | 433.4 | 179.0 | 4.6 | 6.8 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 57.6 | 11.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 26.9 | 249.5 | 0.0 | 3.1 | 7.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 25.6 | 3.7 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 3.0 | 0.0 | 32.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 10.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 85.0 | - | - | - | 13.8 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 90.0 | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 8.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 32.0 | 0.0 | - | 34.0 | 22.3 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 40.0 | 0.0 | 161.2 | 24.1 | 3.9 | 3.0 | 2.3 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 49.1 | 15.6 | 8.1 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 45.6 | - | 11.5 | 7.5 | 2.7 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 13.0 | 13.2 | 5.7 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 77.8 | - | 0.0 | 15.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | - | 6.7 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 85.0 | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 15.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 3.0 | 59.3 | 21.0 | 18.1 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 33.0 | 44.8 | 99.2 | 146.2 | 127.8 | 3.0 | - | - | - | - | - | - |
| 100.0 | 40.0 | 22.4 | 70.4 | 68.6 | 29.6 | 3.9 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 | 45.0 | - | - | 0.0 | 8.5 | 21.3 | 0.0 | - | - | - | - | - |
| 100.0 | 50.0 | 0.0 | 25.4 | 0.0 | 19.2 | 32.9 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 6.9 | 4.6 | 3.3 | 0.0 | - | - | - | - | - |
| 100.0 | 60.0 | - | - | 38.7 | 11.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 70.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 90.0 | 0.0 | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 2.9 | 1.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 193.8 | 5.8 | 26.5 | 32.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 38.0 | 26.2 | - | - | - | - | - | - | - | - | - | - |
| 103.0 | 40.0 | 12.6 | 4.0 | 0.0 | 37.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 35.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 21.5 | 18.7 | 8.4 | 15.6 | 3.3 | 2.5 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|-------|-------|------|------|------|------|------|------|------|------|
| 103.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | 0.0 | 10.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 3.3 | 2.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 9.2 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 5.7 | 21.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 55.0 | - | - | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 110.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 35.0 | - | 12.4 | 50.2 | 8.9 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 16.5 | 155.3 | 46.7 | 3.1 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 35.9 | 12.3 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 29.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 2.7 | 355.0 | 4.0 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 189.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 0.0 | 6.4 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 19.9 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 12.6 | 10.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 30.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 27.6 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 29.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 112.3 | 0.0 | 5.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 60.0 | 2.7 | 9.2 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | 9.6 | 4.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 119.0 | 33.0 | - | 6.5 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 48.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | - | 46.2 | 13.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | - | 42.4 | 8.4 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 17.9 | 0.0 | 10.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 36.6 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | - | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 6.3 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 60.0 | 0.0 | 6.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 | 35.0 | 0.0 | 3.1 | 4.2 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.3 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 11.7 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 35.0 | 0.0 | 11.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |

Stomiiformes

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | 0.0 | - | - |
| 157.0 | 40.0 | - | - | 0.0 | - | 7.7 | - | - | - | - | - | - |

Cyclothone spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.0 | 90.0 | - | - | - | - | 0.0 | 6.1 | - | - | - | - | - |
| 80.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | 0.0 | 0.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | - | - | 17.2 | - | 0.0 |
| 83.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 2.3 | - |
| 83.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.5 | 0.0 | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 2.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 90.0 | - | - | 2.3 | 3.3 | 0.0 | 0.0 | - | - | 28.9 | - | 0.0 |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.7 | 0.0 | - |
| 87.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 8.9 | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 9.6 | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 5.5 | - | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | - | - | 0.0 | - | 3.3 |
| 93.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | - | - | 0.0 | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | - | - | - | 1.7 | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 0.0 | 0.0 | 10.7 | - | - | - | 22.2 | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 65.0 | - | - | - | 8.7 | 7.1 | 0.0 | - | - | - | 4.2 | - |
| 97.0 | 70.0 | 0.0 | - | 0.0 | 26.1 | 3.2 | 0.0 | - | - | - | - | - |
| 97.0 | 75.0 | - | - | 0.0 | 0.0 | 3.1 | 8.6 | - | - | - | 36.6 | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 9.3 | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | - | - |
| 100.0 | 65.0 | - | 0.0 | 0.0 | 12.0 | 2.7 | 2.6 | - | - | - | - | - |

TABLE 4. (cont.)

Cyclothone spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100.0 | 70.0 | 0.0 | - | 44.0 | 34.2 | 2.8 | - | - | - | - | 14.2 | - |
| 100.0 | 75.0 | - | - | - | 57.0 | 6.1 | 22.2 | - | - | - | - | - |
| 100.0 | 80.0 | 0.0 | - | 0.0 | 43.4 | 0.0 | - | - | - | - | 26.9 | - |
| 100.0 | 85.0 | - | - | - | 0.0 | 6.2 | - | - | - | - | - | - |
| 100.0 | 90.0 | - | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 3.1 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 5.2 | - |
| 103.0 | 35.0 | 0.0 | 2.9 | 2.7 | 0.0 | 35.2 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 5.1 | 3.9 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.4 | 0.0 |
| 103.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 3.4 | 3.5 | 6.7 | 10.7 | - | - | - | 41.6 | - |
| 103.0 | 65.0 | - | - | - | 2.7 | 14.8 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | - | 49.6 | 73.6 | 9.6 | 52.6 | 0.0 | - | - | - | 26.7 | - |
| 103.0 | 75.0 | - | - | - | 14.7 | 34.2 | 2.6 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 45.2 | 51.5 | 9.8 | - | - | - | - | 3.0 | - |
| 103.0 | 85.0 | - | - | - | 48.4 | 6.6 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 5.4 | 15.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 3.6 | - | - |
| 107.0 | 45.0 | - | - | 8.5 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 5.4 | 0.0 | 0.0 | 10.0 | 2.9 | 0.0 | - | - | 26.0 | - | - |
| 107.0 | 55.0 | - | - | 6.4 | 2.1 | 3.1 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 11.3 | 11.4 | 38.5 | 17.0 | 10.2 | 3.4 | - | - | 11.2 | - | 3.7 |
| 107.0 | 65.0 | - | - | - | 24.2 | 3.3 | 6.7 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | 18.7 | 32.6 | 61.4 | 19.3 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 0.0 | 18.5 | 0.0 | - | - | 6.4 | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 28.7 | 0.0 | 6.9 | - | - | - | - | - |
| 107.0 | 85.0 | - | - | - | 10.7 | 0.0 | 41.6 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 2.9 | 0.0 | 10.2 | - | - | - | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 3.1 | 3.0 | - | 0.0 | - | 2.8 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 34.6 | - | 7.1 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 70.0 | 0.0 | 6.2 | 13.2 | 0.0 | 7.0 | - | 0.0 | - | 52.8 | - | 6.4 |
| 110.0 | 75.0 | - | - | - | 2.9 | 17.7 | - | 0.0 | - | - | - | - |
| 110.0 | 80.0 | - | - | 26.7 | 30.2 | 8.6 | - | 3.4 | - | 0.0 | - | - |
| 110.0 | 85.0 | - | - | - | 80.6 | 0.0 | - | 3.3 | - | - | - | - |
| 110.0 | 90.0 | - | - | 0.0 | 45.6 | 0.0 | - | 20.5 | - | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 26.1 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 9.6 | - | - |
| 113.0 | 60.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 5.2 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | - | - | 36.2 | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | 2.5 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Cyclothone spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 113.0 | 80.0 | - | - | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 46.6 | - | - |
| 113.0 | 90.0 | - | - | - | - | 9.1 | - | 0.0 | - | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 2.9 | - | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 15.5 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 55.1 | - | - |
| 117.0 | 75.0 | 0.0 | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.5 | - | - |
| 117.0 | 80.0 | - | - | - | 2.7 | 11.3 | 0.0 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | 0.0 | 5.4 | 3.5 | 0.0 | - | - | 4.9 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 3.2 | 0.0 | 2.9 | 5.6 | 0.0 | - | - |
| 120.0 | 60.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 120.0 | 70.0 | 0.0 | 3.7 | 4.9 | 17.6 | 0.0 | 0.0 | - | - | 16.3 | - | - |
| 120.0 | 75.0 | - | - | - | 2.5 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | - | 0.0 | 0.0 | 30.1 | 2.3 | 0.0 | - | - | 49.8 | - | - |
| 120.0 | 85.0 | - | - | - | - | 5.6 | - | - | - | - | - | - |
| 120.0 | 90.0 | - | - | - | - | 0.0 | - | - | - | 14.9 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - |
| 123.0 | 55.0 | - | 0.0 | 0.0 | - | 0.0 | 12.4 | - | - | - | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 3.0 | - | 3.0 | 6.2 | - | - | 0.0 | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | - | 16.5 | - | - | 27.8 | - | - |
| 123.0 | 80.0 | - | - | 2.5 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | - | - |
| 127.0 | 45.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 7.6 | 0.0 | - | - |
| 127.0 | 50.0 | 2.6 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | 4.3 | - | - |
| 127.0 | 60.0 | 0.0 | 13.6 | 12.0 | - | 11.1 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 70.0 | - | - | 6.1 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 80.0 | - | - | 5.5 | - | - | - | - | - | 7.2 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 5.4 | 0.0 | - | - | - |
| 130.0 | 50.0 | 11.3 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 60.0 | 2.9 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.4 | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 7.7 | - | - |
| 133.0 | 30.0 | 2.6 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - |
| 133.0 | 45.0 | - | - | 2.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 70.0 | - | - | 0.0 | - | 0.0 | 3.2 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | - | 2.2 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 4.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 137.0 | 50.0 | - | 6.3 | 3.1 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 3.2 | - | - | 13.0 | - | - |
| 137.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.1 | - | - |
| 140.0 | 40.0 | - | 3.2 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 50.0 | - | 2.9 | 0.0 | - | 0.0 | - | - | - | - | - | - |

TABLE 4. (cont.)

Cyclothone spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 140.0 55.0 | - | - | - | 2.6 | - | - | - | - | - | - | - | - |
| 143.0 35.0 | - | 2.1 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 40.0 | - | 0.0 | 0.0 | 2.9 | - | 0.0 | - | - | - | - | - | - |

Diplophos taenia

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 113.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.4 | - | - |
| 150.0 40.0 | - | 2.3 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 157.0 15.0 | - | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |

Ichthyococcus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 8.0 | - | - | - | 0.0 | - |
| 107.0 80.0 | - | - | - | 0.0 | 0.0 | 3.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 85.0 | - | - | - | 3.6 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.3 | 0.0 | 0.0 | - | - |
| 110.0 65.0 | - | - | - | - | 0.0 | 0.0 | - | 4.3 | - | - | - | - |
| 113.0 75.0 | - | - | - | - | 0.0 | 2.5 | 0.0 | - | - | - | - | - |
| 117.0 85.0 | - | - | - | - | 3.3 | 0.0 | - | - | - | - | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 85.0 | - | - | - | - | - | 2.8 | - | - | - | - | - | - |
| 123.0 37.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 50.0 | 0.0 | 4.8 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 55.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | - | - | - |
| 127.0 45.0 | - | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 40.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 60.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 35.0 | 0.0 | - | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 80.0 | - | - | - | 0.0 | - | - | 3.1 | - | - | 0.0 | - | - |

Vinciguerria lucetia

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 60.0 | - | - | - | - | 9.5 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - | - |
| 90.0 28.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 5.5 | 0.0 |
| 90.0 30.0 | - | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 1.3 | - | 0.0 |
| 90.0 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.2 | - | - | 3.1 | 0.0 | 0.0 |
| 93.0 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|-------|--------|-------|--------|------|------|-------|-------|------|
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 6.7 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | - | - | - | 0.0 | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.8 | - | - | - | 6.1 | - |
| 93.0 | 75.0 | - | - | - | 0.0 | 7.0 | 78.8 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 101.0 | - | - | - | 313.8 | - |
| 93.0 | 90.0 | - | - | 0.0 | 0.0 | 3.8 | 0.0 | - | - | - | 96.3 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.1 | - |
| 97.0 | 35.0 | - | - | - | - | - | - | - | - | - | 3.5 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 7.8 | 0.0 | 0.0 | - | - | - | 1.6 | - |
| 97.0 | 65.0 | 0.0 | - | - | 43.5 | 14.2 | 0.0 | - | - | - | - | - |
| 97.0 | 70.0 | 0.0 | - | 0.0 | 113.8 | 6.4 | 88.5 | - | - | - | 14.6 | - |
| 97.0 | 75.0 | - | - | - | 0.0 | 12.4 | 111.1 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 49.9 | - | - | - | 196.5 | - |
| 97.0 | 85.0 | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 27.6 | - | - | - | 83.7 | - |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.8 | 3.0 |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.5 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 6.8 | 3.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 34.9 | - |
| 100.0 | 65.0 | - | - | - | 111.4 | 21.6 | 319.6 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 142.6 | 601.9 | 11.2 | - | - | - | - | 56.8 | - |
| 100.0 | 75.0 | 0.0 | - | - | 159.6 | 24.3 | 1604.0 | - | - | - | - | - |
| 100.0 | 80.0 | 0.0 | - | 6.8 | 349.4 | 0.0 | - | - | - | - | 92.7 | - |
| 100.0 | 85.0 | - | - | - | 10.3 | 3.1 | - | - | - | - | - | - |
| 100.0 | 90.0 | 0.0 | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 74.2 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 10.3 | 49.7 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 0.0 | 3.9 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 85.3 | 0.0 |
| 103.0 | 55.0 | - | - | 0.0 | 3.6 | 0.0 | 2.6 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 139.8 | 6.9 | 10.1 | 120.2 | - | - | - | 579.2 | - |
| 103.0 | 65.0 | - | - | - | 84.8 | 162.4 | 63.6 | - | - | - | - | - |
| 103.0 | 70.0 | 6.5 | 49.6 | 819.2 | 57.8 | 187.5 | 15.3 | - | - | - | 417.5 | - |
| 103.0 | 75.0 | - | - | - | 87.9 | 673.7 | 155.2 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 508.7 | 957.0 | 465.8 | - | - | - | - | 91.5 | - |
| 103.0 | 85.0 | - | - | - | 1122.9 | 235.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 112.7 | 275.4 | 447.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 5.2 | - | - |
| 107.0 | 40.0 | 0.0 | 3.1 | 0.0 | 24.8 | 3.4 | 4.6 | - | - | 7.3 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 0.0 | 3.3 | 22.5 | - | - | - | - | - |
| 107.0 | 50.0 | 16.3 | 0.0 | 0.0 | 17.4 | 5.9 | 0.0 | - | - | 151.9 | - | - |
| 107.0 | 55.0 | - | - | 63.6 | 4.3 | 9.4 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 22.8 | 493.5 | 296.8 | 33.9 | 156.4 | - | - | 145.5 | - | 7.4 |
| 107.0 | 65.0 | - | - | - | 561.7 | 36.0 | 141.1 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | 40.4 | 119.4 | 1123.4 | 144.4 | 0.0 | - | - | 26.0 | - | - |
| 107.0 | 75.0 | - | - | - | 159.0 | 144.8 | 136.5 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 13.3 | 287.1 | 178.0 | 430.3 | - | - | 67.4 | - | - |

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 107.0 | 85.0 | - | - | - | 380.9 | 127.6 | 485.8 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 19.6 | 176.3 | 512.0 | 456.9 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 42.7 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 7.1 | 12.3 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 11.9 | 8.6 | 8.4 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 12.1 | - | 84.2 | - | - | - | - |
| 110.0 | 50.0 | 19.1 | 0.0 | 0.0 | 0.0 | 5.9 | - | 72.4 | - | 76.7 | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | - | 26.4 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | - | 15.8 | - | 198.8 | - | - |
| 110.0 | 65.0 | 0.0 | 0.0 | - | 0.0 | 2.5 | - | 506.6 | - | - | - | - |
| 110.0 | 70.0 | - | 3.1 | 99.0 | 5.3 | 42.0 | - | 6.8 | - | 570.9 | - | 114.5 |
| 110.0 | 75.0 | - | - | - | 14.5 | 100.4 | - | 107.3 | - | - | - | - |
| 110.0 | 80.0 | 5.1 | - | 103.5 | 78.5 | 82.6 | - | 154.4 | - | 30.6 | - | - |
| 110.0 | 85.0 | - | - | - | 130.7 | 38.5 | - | 116.2 | - | - | - | - |
| 110.0 | 90.0 | 5.8 | - | 30.1 | 465.1 | 7.1 | - | 318.1 | - | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 325.5 | 45.4 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 690.2 | 3.1 | - | - |
| 113.0 | 50.0 | 5.6 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 86.4 | - | - |
| 113.0 | 55.0 | - | - | 9.5 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 5.5 | 0.0 | 14.2 | 5.9 | 2.9 | 36.7 | - | - | 75.7 | - | - |
| 113.0 | 65.0 | - | - | - | 0.0 | 0.0 | 150.9 | - | - | - | - | - |
| 113.0 | 70.0 | 15.8 | 24.4 | 0.0 | 5.2 | 10.1 | 161.0 | - | - | 117.8 | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | 25.4 | 20.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 5.9 | 0.0 | 25.2 | 68.8 | - | - | 413.7 | - | - |
| 113.0 | 85.0 | - | - | - | - | 2.9 | - | - | - | - | - | - |
| 113.0 | 90.0 | - | - | - | - | 72.7 | - | - | - | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 3.4 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 5.8 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 9.2 | 109.1 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | - | - |
| 117.0 | 35.0 | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | 3.8 | 2.9 | 3.1 | 24.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 3.0 | 11.6 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 2.3 | 0.0 | 18.7 | 0.0 | 3.3 | - | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 83.7 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 24.1 | - | - | - | - | - |
| 117.0 | 60.0 | 7.3 | 122.8 | 0.0 | 0.0 | 0.0 | 195.4 | - | - | 306.0 | - | - |
| 117.0 | 65.0 | - | - | 5.3 | 0.0 | 0.0 | 84.6 | - | - | - | - | - |
| 117.0 | 70.0 | 16.6 | 455.8 | 16.0 | 31.8 | 0.0 | 3.3 | - | - | 29.1 | - | - |
| 117.0 | 75.0 | - | - | - | 21.5 | 891.1 | 64.0 | - | - | 22.1 | - | - |
| 117.0 | 80.0 | - | - | 9.7 | 69.7 | 429.0 | 0.0 | - | - | - | - | - |
| 117.0 | 85.0 | - | - | - | - | 53.3 | - | - | - | - | - | - |
| 117.0 | 90.0 | - | - | - | - | 99.5 | - | - | - | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 3.1 | - | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - |

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 120.0 | 40.0 | 1.3 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 11.1 | - | 0.0 | 19.3 | 0.0 | 49.8 | 0.0 | 2.8 | - | - |
| 120.0 | 50.0 | 2.7 | 82.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | 86.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 60.0 | 5.3 | 44.2 | 45.8 | 0.0 | 0.0 | 7.0 | - | - | 33.1 | - | - |
| 120.0 | 65.0 | - | - | - | 12.1 | 0.0 | 24.8 | - | - | - | - | - |
| 120.0 | 70.0 | 70.8 | 0.0 | 29.8 | 846.7 | 0.0 | 13.4 | - | - | 88.0 | - | - |
| 120.0 | 75.0 | - | - | - | 225.0 | 14.0 | 13.6 | - | - | - | - | - |
| 120.0 | 80.0 | - | 27.0 | 87.8 | 241.0 | 198.7 | 0.0 | - | - | 167.0 | - | - |
| 120.0 | 85.0 | - | - | - | - | 459.7 | - | - | - | - | - | - |
| 120.0 | 90.0 | - | - | - | - | 332.4 | - | - | - | 210.9 | - | - |
| 123.0 | 37.0 | 12.3 | 5.1 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 10.1 | 0.0 | - | - |
| 123.0 | 42.0 | 38.8 | 5.3 | 0.0 | 0.0 | 64.7 | 15.7 | 89.1 | 9.5 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 3.0 | 6.5 | - | - | - |
| 123.0 | 50.0 | 28.4 | 9.5 | 0.0 | - | 19.0 | 0.0 | - | - | 5.1 | - | - |
| 123.0 | 55.0 | - | 49.9 | 0.0 | - | 81.9 | 420.2 | - | - | - | - | - |
| 123.0 | 60.0 | 2.7 | 31.1 | 18.3 | - | 125.2 | 225.6 | - | - | 33.7 | - | - |
| 123.0 | 70.0 | - | - | 68.3 | - | - | 518.1 | - | - | 89.6 | - | - |
| 123.0 | 80.0 | - | - | 137.8 | - | - | 417.0 | - | - | 41.3 | - | - |
| 127.0 | 34.0 | 0.0 | 52.6 | 1.6 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 10.9 | 1098.2 | 37.5 | 16.4 | 5.5 | 79.3 | 369.6 | 148.8 | 83.2 | - | - |
| 127.0 | 45.0 | - | 371.5 | 0.0 | 10.7 | 119.1 | 90.7 | 401.8 | 181.4 | 34.4 | - | - |
| 127.0 | 50.0 | 155.2 | 50.2 | 6.3 | - | 5.8 | 205.9 | - | - | 13.0 | - | - |
| 127.0 | 55.0 | - | 24.2 | 0.0 | - | 2.3 | 377.9 | - | - | - | - | - |
| 127.0 | 60.0 | 11.3 | 125.5 | 54.6 | - | 405.9 | 107.3 | - | - | 3.3 | - | - |
| 127.0 | 70.0 | - | - | 48.8 | - | - | 14.1 | - | - | 9.2 | - | - |
| 127.0 | 80.0 | - | - | 8.2 | - | - | - | - | - | 122.7 | - | - |
| 130.0 | 30.0 | 0.0 | 32.0 | 0.0 | 2.9 | 0.0 | 31.1 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 21.1 | 270.3 | 16.8 | 0.0 | 0.0 | 44.2 | 50.5 | 3.1 | 4.3 | - | - |
| 130.0 | 40.0 | 57.8 | 198.4 | 0.0 | 15.3 | 28.2 | 6.6 | 74.3 | 0.0 | 68.3 | - | - |
| 130.0 | 45.0 | - | - | - | - | 3.0 | 5.9 | 56.7 | 17.9 | - | - | - |
| 130.0 | 50.0 | 70.8 | 17.9 | 36.7 | 210.5 | 3.3 | 6.2 | - | - | 69.5 | - | - |
| 130.0 | 55.0 | - | - | 177.1 | - | 3.0 | 0.0 | - | - | - | - | - |
| 130.0 | 60.0 | 140.6 | 57.6 | 24.6 | 84.9 | 0.0 | 10.4 | - | - | 6.8 | - | - |
| 130.0 | 70.0 | - | - | 17.6 | - | - | 0.0 | - | - | 29.9 | - | - |
| 130.0 | 80.0 | - | - | 8.6 | - | - | 261.4 | - | - | 131.6 | - | - |
| 133.0 | 25.0 | 15.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 31.7 | 9.5 | 0.0 | 2.3 | 0.0 | 0.0 | 20.8 | 7.1 | 0.0 | - | - |
| 133.0 | 35.0 | 33.7 | - | 41.7 | 5.3 | 0.0 | 3.4 | - | - | 6.6 | - | - |
| 133.0 | 40.0 | 16.0 | 40.1 | 29.7 | 5.3 | 0.0 | 0.0 | - | - | 6.1 | - | - |
| 133.0 | 45.0 | - | - | 52.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 50.0 | - | 143.1 | 69.7 | 0.0 | 0.0 | 0.0 | - | - | 52.5 | - | - |
| 133.0 | 55.0 | - | - | 28.9 | - | - | - | - | - | - | - | - |
| 133.0 | 60.0 | - | - | 13.1 | - | - | 255.8 | - | - | 164.1 | - | - |
| 133.0 | 70.0 | - | - | 2.9 | - | - | 48.0 | - | - | 79.0 | - | - |
| 133.0 | 80.0 | - | - | 34.4 | - | - | 118.9 | - | - | 20.4 | - | - |

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|--------|------|-------|-------|-------|------|-------|------|------|
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.9 | - | - |
| 137.0 | 30.0 | 5.7 | 8.4 | 0.0 | 0.0 | 0.0 | 86.3 | 345.4 | 59.2 | 81.6 | - | - |
| 137.0 | 35.0 | 24.0 | 23.4 | - | - | 2.5 | 3.6 | - | - | 65.7 | - | - |
| 137.0 | 40.0 | 99.0 | 160.1 | 0.0 | - | 2.5 | 3.7 | - | - | 6.3 | - | - |
| 137.0 | 45.0 | - | - | 4.8 | - | 29.3 | 6.6 | - | - | - | - | - |
| 137.0 | 50.0 | - | 28.4 | 8.8 | 50.8 | 22.8 | 9.9 | - | - | 78.8 | - | - |
| 137.0 | 55.0 | 57.1 | - | 17.3 | - | - | - | - | - | - | - | - |
| 137.0 | 60.0 | - | - | 0.0 | - | - | 122.4 | - | - | 83.4 | - | - |
| 137.0 | 70.0 | - | - | 106.8 | - | - | 451.9 | - | - | 169.0 | - | - |
| 137.0 | 80.0 | - | - | 73.6 | - | - | 220.2 | - | - | 78.5 | - | - |
| 140.0 | 30.0 | 0.0 | 2.7 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 35.0 | 3.7 | 112.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 102.6 | 19.1 | 0.0 | - | 202.9 | - | - | - | - | - | - |
| 140.0 | 45.0 | - | - | 22.8 | - | - | - | - | - | - | - | - |
| 140.0 | 50.0 | 235.9 | 14.5 | 90.4 | - | 337.0 | - | - | - | - | - | - |
| 140.0 | 55.0 | - | - | 10.2 | - | - | - | - | - | - | - | - |
| 140.0 | 60.0 | - | - | 32.9 | - | - | - | - | - | - | - | - |
| 140.0 | 70.0 | - | - | 28.6 | - | - | - | - | - | - | - | - |
| 140.0 | 80.0 | - | - | 34.7 | - | - | - | - | - | - | - | - |
| 143.0 | 30.0 | 16.7 | 0.0 | 5.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 14.6 | 19.5 | 27.7 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 24.6 | 48.6 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 50.0 | 36.1 | 0.0 | - | - | 584.3 | - | - | - | - | - | - |
| 147.0 | 20.0 | 27.8 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | 65.3 | 2.6 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 30.0 | 28.7 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 40.0 | 9.0 | 12.0 | 19.7 | - | - | - | - | - | - | - | - |
| 147.0 | 45.0 | - | - | 20.7 | - | - | - | - | - | - | - | - |
| 147.0 | 55.0 | - | - | 10.2 | - | - | - | - | - | - | - | - |
| 147.0 | 60.0 | - | - | 4.8 | - | - | - | - | - | - | - | - |
| 147.0 | 70.0 | - | - | 14.0 | - | - | - | - | - | - | - | - |
| 147.0 | 80.0 | - | - | 17.3 | - | - | - | - | - | - | - | - |
| 148.0 | 20.0 | - | - | - | - | 78.6 | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | - | - | 51.1 | - | - | - | - | - | - |
| 148.0 | 30.0 | - | - | - | - | 124.9 | - | - | - | - | - | - |
| 148.0 | 40.0 | - | - | - | - | 84.8 | - | - | - | - | - | - |
| 150.0 | 16.0 | - | - | - | - | - | - | - | - | - | - | - |
| 150.0 | 19.0 | 24.8 | 2.3 | 2.9 | - | - | - | - | - | - | - | - |
| 150.0 | 20.0 | - | - | - | - | - | - | - | - | - | - | - |
| 150.0 | 25.0 | 3.1 | 2.8 | 11.9 | - | - | - | - | - | - | - | - |
| 150.0 | 30.0 | - | 17.6 | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 | 35.0 | 0.0 | - | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 | 40.0 | 18.3 | 10.5 | 11.1 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | 11.3 | - | 2131.9 | - | - | - | - | - | - | - | - |
| 153.0 | 20.0 | 13.6 | - | 0.0 | - | 244.4 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 158.9 | - | 14.9 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 28.2 | - | 83.6 | - | - | - | - | - | - |

TABLE 4. (cont.)

Vinciguerrria lucetia (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|-------|-----|-------|------|------|------|------|------|------|
| 153.0 | 30.0 | 24.1 | - | 227.0 | - | 40.8 | - | - | - | - | - | - |
| 153.0 | 35.0 | - | - | 9.6 | - | - | - | - | - | - | - | - |
| 153.0 | 40.0 | 90.0 | - | 23.0 | - | 43.3 | - | - | - | - | - | - |
| 153.0 | 45.0 | - | - | 10.9 | - | - | - | - | - | - | - | - |
| 153.0 | 50.0 | - | - | 32.9 | - | - | - | - | - | - | - | - |
| 153.0 | 55.0 | - | - | 7.6 | - | - | - | - | - | - | - | - |
| 153.0 | 60.0 | - | - | 12.9 | - | - | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 203.7 | - | 46.5 | - | - | - | - | - | - |
| 157.0 | 20.0 | 301.9 | - | 224.7 | - | 38.9 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 5.7 | - | 127.4 | - | - | - | - | - | - |
| 157.0 | 30.0 | 705.6 | - | 10.9 | - | 545.2 | - | - | - | - | - | - |
| 157.0 | 35.0 | - | - | 32.3 | - | - | - | - | - | - | - | - |
| 157.0 | 40.0 | - | - | 53.2 | - | 228.7 | - | - | - | - | - | - |

Sternoptychidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | 0.0 |
| 90.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 2.5 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | - | - | 1.8 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 60.0 | 0.0 | - | 3.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 5.3 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 3.2 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 2.7 | 0.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 2.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 3.5 | 8.5 | 3.4 | 6.8 | - | - | 0.0 | - | 3.7 |
| 107.0 | 65.0 | - | - | - | 3.0 | 0.0 | 3.4 | - | - | - | - | - |
| 107.0 | 70.0 | - | 0.0 | 0.0 | 9.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 70.0 | - | - | 0.0 | 0.0 | 0.0 | - | 4.3 | - | - | - | - |
| 110.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.3 | - | 0.0 |
| 110.0 | 85.0 | - | - | 3.3 | 3.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | - | 0.0 | - | - | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 5.9 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| | | 0.0 | 0.0 | - | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - |

TABLE 4. (cont.)

Sternoptychidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 | 60.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.5 | 3.0 | 0.0 | - | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | - | - | - | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | - | 3.3 | 3.4 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | - | - |
| 127.0 | 50.0 | 7.9 | 2.6 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 5.3 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 80.0 | - | 3.4 | 0.0 | 0.0 | - | 7.3 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 45.0 | - | - | 2.8 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | - | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | - |
| 140.0 | 40.0 | - | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 45.0 | - | - | 2.3 | - | - | - | - | - | - | - | - |
| 140.0 | 50.0 | - | 6.7 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 70.0 | - | - | 5.7 | - | 3.8 | - | - | - | - | - | - |
| 143.0 | 40.0 | - | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | - | 3.6 | 0.0 | - | - | - | - | - | - | - | - |

Chauliodus macouni

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 63.0 | 70.0 | - | - | - | 3.6 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 3.5 | 0.0 | 3.3 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 8.2 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 90.0 | - | - | - | - | 3.2 | - | - | - | - | - | - |
| 70.0 | 70.0 | - | - | - | 8.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 80.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.9 | 0.0 |
| 80.0 | 80.0 | - | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 80.0 | 90.0 | - | 5.9 | 0.0 | 3.7 | 0.0 | 0.0 | - | - | 0.0 | - | 3.2 |
| 82.0 | 47.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | - | - | 0.0 | 0.0 | - |
| 83.0 | 60.0 | - | 9.4 | 7.4 | 0.0 | 0.0 | 5.4 | - | - | 0.0 | 0.0 | - |
| 83.0 | 70.0 | - | - | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | 0.0 | - |
| 87.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.3 | - | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 0.0 | 6.8 | - | - | - | - | - |
| 87.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 87.0 | 85.0 | - | - | - | 0.0 | 2.7 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.2 |
| 90.0 | 28.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | - | - | 0.0 | 0.0 | 0.0 |

TABLE 4. (cont.)

Chauliodus macouni (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 90.0 | 65.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 90.0 | 70.0 | - | - | 0.0 | 3.3 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 0.0 | 0.0 | 4.8 | - | - | - | - | - |
| 93.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 0.0 | 0.0 | 3.3 | 3.0 | - | - | - | 0.0 | - |
| 93.0 | 70.0 | - | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 0.0 | 7.0 | 0.0 | - | - | - | - | - |
| 97.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | - | - | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.1 | - |
| 100.0 | 33.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - |
| 100.0 | 40.0 | - | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 | 45.0 | - | 0.0 | 4.9 | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 100.0 | 50.0 | - | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 100.0 | 80.0 | - | - | 0.0 | 2.2 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 90.0 | - | - | 5.3 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | 0.0 |
| 103.0 | 65.0 | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 110.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.2 |

Idiacanthus antrostomus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 70.0 | 60.0 | - | - | - | 0.0 | 0.0 | 7.1 | - | - | - | 0.0 | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 83.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 2.3 | - |
| 83.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.5 | - |
| 90.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 6.2 |
| 90.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.3 |
| 93.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.4 | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 100.0 | 70.0 | - | - | 3.5 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 100.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 3.0 | - |
| 100.0 | 90.0 | - | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.4 | 0.0 |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 103.0 | 75.0 | - | - | - | 0.0 | 6.8 | 0.0 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | 0.0 | - |
| 107.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 110.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 19.8 | - | 0.0 |
| 113.0 | 50.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Aristostomias scintillans

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 93.0 75.0 | - | - | - | - | 0.0 | 0.0 | 3.6 | - | - | - | - | - |
| 97.0 75.0 | - | - | - | - | 3.3 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 70.0 | - | 0.0 | - | 1.8 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 80.0 | - | 0.0 | - | 0.0 | 4.3 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 85.0 | - | - | - | - | 6.8 | 0.0 | - | - | - | - | - | - |
| 103.0 70.0 | - | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 75.0 | - | - | - | - | 2.9 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 85.0 | - | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 103.0 90.0 | - | - | - | 3.1 | 0.0 | 0.0 | - | - | - | - | - | - |
| 107.0 55.0 | - | - | - | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |

Bathophilus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 90.0 | - | - | - | 0.0 | 0.0 | 3.0 | - | - | - | - | - | - |
| 107.0 70.0 | - | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 90.0 | - | 0.0 | - | 0.0 | 3.0 | 0.0 | - | 0.0 | - | - | - | - |
| 120.0 65.0 | - | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |

Tactostoma macropus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | 0.0 | - | 0.0 |
| 83.0 65.0 | - | - | - | - | - | 3.2 | 0.0 | - | - | - | - | - |
| 83.0 70.0 | - | - | 0.0 | 0.0 | 0.0 | 27.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 85.0 | - | - | - | - | - | 2.9 | 0.0 | - | - | - | - | - |
| 83.0 90.0 | - | - | - | 0.0 | 0.0 | 8.9 | - | - | - | 0.0 | - | 0.0 |
| 87.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - |
| 90.0 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | - | - | 3.2 | - | 0.0 |
| 110.0 70.0 | - | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 130.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |

Stomias atriventer

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 67.0 90.0 | - | - | - | - | - | 3.2 | - | - | - | - | - | - |
| 77.0 90.0 | - | - | - | - | - | 3.1 | 0.0 | - | - | - | - | - |
| 93.0 80.0 | - | - | - | - | 0.0 | 0.0 | 2.6 | - | - | - | 0.0 | - |
| 97.0 75.0 | - | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 100.0 60.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 70.0 | - | 0.0 | - | 1.8 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 90.0 | - | 0.0 | - | 0.0 | 3.2 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Stomias atriventer (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 | 70.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 2.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.3 | - | - |
| 107.0 | 60.0 | 0.0 | 3.8 | 3.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 70.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 2.5 | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | - | 9.9 | - | - | - | - |
| 110.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 80.0 | 0.0 | - | 0.0 | 3.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 3.7 | - | - | 0.0 | - | - |
| 113.0 | 65.0 | - | - | - | 5.4 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.7 | - | - | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | 2.2 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 2.8 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 3.7 | 0.0 | 5.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | 0.0 | - | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 6.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 55.0 | 4.5 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 123.0 | 80.0 | - | - | 2.5 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 2.7 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 60.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 60.0 | - | - | 0.0 | - | 0.0 | 6.2 | - | - | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 5.8 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 0.0 | 5.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 0.0 | - | 0.0 | 3.3 | - | - | 3.3 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 140.0 | 40.0 | 0.0 | 3.2 | 0.0 | - | 2.8 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 0.0 | 2.9 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 50.0 | 0.0 | 0.0 | - | - | 3.5 | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | - | - | 6.1 | - | - | - | - | - | - |
| 148.0 | 40.0 | - | - | - | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Stomias atriventer (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 150.0 40.0 | - | 0.0 | 0.0 | 6.5 | - | - | - | - | - | - | - | - |
| 153.0 16.0 | - | 3.8 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Anotopterus pharao

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 115.0 40.0 | - | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |

Paralepididae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 80.0 | - | - | - | - | 8.4 | 0.0 | - | - | - | - | - | - |
| 67.0 80.0 | - | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 67.0 90.0 | - | - | - | - | - | 3.2 | 0.0 | - | - | - | 2.5 | - |
| 70.0 70.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 6.2 | - |
| 70.0 80.0 | - | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 77.0 80.0 | - | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 80.0 55.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 0.0 | 0.0 |
| 80.0 80.0 | - | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 80.0 90.0 | - | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 2.7 | - | - | 0.0 | 0.0 | 0.0 |
| 82.0 47.0 | - | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.3 | - |
| 83.0 51.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.3 | - |
| 83.0 55.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 2.5 | - |
| 83.0 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.0 | - | - |
| 83.0 70.0 | - | - | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 2.3 | - | - |
| 87.0 55.0 | - | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 7.2 | 0.0 | - |
| 87.0 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.7 | 0.0 | - |
| 87.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 8.9 | - | - |
| 87.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 6.4 | - | - |
| 87.0 90.0 | - | - | - | 0.0 | 0.0 | 6.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 3.3 |
| 90.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.1 |
| 90.0 80.0 | - | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | 1.3 | - | 2.8 |
| 93.0 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | - | - | - | 0.0 | - |
| 93.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | - | - | - | 0.0 | - |
| 93.0 80.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 60.0 | - | 0.0 | - | 0.0 | 11.8 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 65.0 | - | - | - | - | 0.0 | 7.1 | 0.0 | - | - | - | - | - |
| 97.0 70.0 | - | 0.0 | - | 0.0 | 0.0 | 3.2 | 5.9 | - | - | - | 0.0 | - |
| 97.0 75.0 | - | - | - | - | 0.0 | 0.0 | 5.7 | - | - | - | 0.0 | - |
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | - | - |
| 100.0 65.0 | - | - | - | - | 0.0 | 0.0 | 10.5 | - | - | - | 0.0 | - |
| 100.0 70.0 | - | - | - | 1.8 | 6.8 | 0.0 | - | - | - | - | - | - |
| 100.0 75.0 | - | 0.0 | - | - | 0.0 | 6.1 | 3.2 | - | - | - | - | - |

TABLE 4. (cont.)

Paralepididae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100.0 | 80.0 | 0.0 | - | 0.0 | 10.9 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 3.4 | 0.0 | - | - | - | - | - | - |
| 100.0 | 90.0 | 0.0 | - | 0.0 | 3.2 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | -0.0 | 3.4 | 11.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 55.0 | - | - | 2.8 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 8.0 | 3.7 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | 0.0 | 6.2 | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 80.0 | - | - | 0.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 2.1 | 6.8 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 0.0 | 4.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.7 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 6.0 | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 107.0 | 70.0 | 0.0 | 6.2 | 4.3 | 9.4 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 3.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 13.6 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.3 | 0.0 | 0.0 | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 0.0 | 0.0 | - | 4.3 | - | - | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 70.0 | 0.0 | 3.1 | 0.0 | 0.0 | 3.5 | - | 3.4 | - | - | - | - |
| 110.0 | 90.0 | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 80.0 | - | - | 0.0 | 0.0 | 5.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 80.0 | - | - | 2.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 3.2 | 0.0 | - | 0.0 | 0.0 | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | - | 3.3 | - | - | 0.0 | - | - |
| 123.0 | 80.0 | - | - | 0.0 | - | - | 3.0 | - | - | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 157.0 | 15.0 | - | - | 2.8 | - | 0.0 | - | - | - | 0.0 | - | - |
| 157.0 | 30.0 | 5.9 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Aulopus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 148.0 | 30.0 | - | - | - | - | 6.9 | - | - | - | - | - | - |

TABLE 4. (cont.)

Scopelarchidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 97.0 | 75.0 | - | - | - | 3.3 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 100.0 | 65.0 | - | - | - | 0.0 | 2.7 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 70.0 | - | - | 1.8 | 10.3 | 0.0 | - | - | - | - | - | - |
| 100.0 | 85.0 | - | - | - | 0.0 | 3.1 | - | - | - | - | - | - |
| 100.0 | 90.0 | - | - | 0.0 | 3.2 | 0.0 | - | - | - | - | 9.3 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 0.0 | 3.9 | 0.0 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 9.6 | - |
| 103.0 | 65.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 3.0 | - |
| 103.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 2.7 | 0.0 | - | - | - | - | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 3.2 | 4.3 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.7 | - | 0.0 |
| 107.0 | 70.0 | 0.0 | 0.0 | 2.2 | 0.0 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 0.0 | 6.2 | 0.0 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 0.0 | 3.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 85.0 | - | - | - | 3.6 | 12.8 | 0.0 | - | - | - | - | 0.0 |
| 110.0 | 70.0 | - | 0.0 | 3.3 | 0.0 | 0.0 | - | 0.0 | - | 6.6 | - | - |
| 110.0 | 85.0 | - | - | - | 5.6 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 10.4 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 14.7 | - | - |
| 120.0 | 90.0 | - | - | - | - | 0.0 | - | - | - | 3.0 | - | - |
| 130.0 | 60.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 4.1 | - | - |
| 140.0 | 45.0 | - | - | 2.3 | - | - | - | - | - | - | - | - |
| 150.0 | 40.0 | - | 0.0 | 19.4 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | - | 0.0 | 0.0 | - | 6.0 | - | - | - | - | - | - |

Myctophidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 63.0 | 52.0 | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 4.0 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 7.0 | 0.0 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 0.0 | 3.1 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 7.5 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Myctophidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 80.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | - | - | - | - | 0.0 |
| 83.0 | 55.0 | - | - | - | 6.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 83.0 | 60.0 | - | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 36.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | 2.9 | 0.0 | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 37.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | - | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 40.0 | - | 0.0 | 0.0 | 2.7 | 0.0 | 2.9 | - | - | 0.0 | - | - |
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 4.4 | - | - | - | - | - |
| 93.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 65.0 | - | - | - | 3.1 | 3.7 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.6 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 12.9 | - | - | - | 0.0 | - |
| 93.0 | 90.0 | - | - | - | 0.0 | 0.0 | 2.5 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.9 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | - | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 0.0 | 10.6 | 0.0 | - | - | - | - | - |
| 97.0 | 70.0 | - | - | - | 0.0 | 0.0 | 5.9 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | 0.0 | 3.3 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 2.8 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 7.7 | 0.0 | 0.0 | 2.5 | - | - | - | 0.0 | - |
| 100.0 | 45.0 | - | - | 0.0 | 2.8 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | - | 0.0 | 0.0 | 21.6 | 2.6 | - | - | - | - | - |
| 100.0 | 70.0 | - | - | - | 3.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | 0.0 | 6.8 | 0.0 | 19.0 | - | - | - | - | - |
| 100.0 | 85.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 103.0 | 30.0 | - | - | - | 3.4 | 6.2 | 0.0 | - | - | - | - | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 1.4 | 0.0 | 2.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 103.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 103.0 | 60.0 | - | - | 0.0 | 0.0 | 0.0 | 8.0 | - | - | - | 3.2 | - |
| 103.0 | 65.0 | 0.0 | - | 3.4 | 0.0 | 0.0 | 2.7 | - | - | - | - | - |
| 103.0 | 70.0 | - | 0.0 | 9.6 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 80.0 | - | - | 3.0 | 6.9 | 3.3 | 3.3 | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 0.0 | 3.3 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 2.7 | 6.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | - | 0.0 | 2.1 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 5.7 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 55.0 | - | - | 0.0 | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | - | 0.0 | 0.0 | 8.5 | 0.0 | 3.4 | - | - | 0.0 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |

TABLE 4. (cont.)

Myctophidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 107.0 | 70.0 | 0.0 | 0.0 | 0.0 | 9.4 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 2.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 0.0 | 3.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 13.6 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.4 | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.0 | 0.0 | 0.0 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 8.7 | - | - | - | - |
| 110.0 | 70.0 | 0.0 | 6.2 | 3.3 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 3.1 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 7.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 2.9 | 3.1 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 0.0 | 3.2 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 70.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 80.0 | - | - | 0.0 | 5.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 6.4 | 0.0 | 2.9 | - | - |
| 117.0 | 50.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 12.2 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 70.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 85.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 117.0 | 90.0 | - | - | - | - | 3.3 | - | - | - | - | - | - |
| 118.0 | 39.0 | - | 0.0 | 2.2 | 0.0 | 6.4 | - | - | - | - | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 75.0 | - | - | 0.0 | 5.9 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | 0.0 | 9.8 | 0.0 | 2.5 | 4.6 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 85.0 | - | - | 0.0 | 0.0 | 14.1 | - | - | - | - | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 3.2 | 0.0 | - | 0.0 | 0.0 | - | - |
| 123.0 | 55.0 | 0.0 | 0.0 | 0.0 | - | 5.5 | 0.0 | - | - | - | - | - |
| 123.0 | 60.0 | 4.4 | 5.7 | 0.0 | - | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | 0.0 | 33.0 | - | - | 0.0 | - | - |
| 123.0 | 80.0 | - | - | 0.0 | - | - | 9.0 | - | - | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 35.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 20.1 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 55.0 | 10.4 | 6.7 | 6.0 | - | 2.3 | 3.2 | 0.0 | - | 0.0 | - | - |
| 127.0 | 60.0 | 5.3 | 3.4 | 3.0 | - | 5.6 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Myctophidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 | 30.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 7.8 | 2.7 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 55.0 | - | - | 6.6 | - | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 65.0 | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | - | 0.0 | 8.9 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 10.6 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 45.0 | 0.0 | - | 2.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 60.0 | - | - | 0.0 | - | - | 12.5 | - | - | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 5.8 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 4.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 137.0 | 50.0 | 2.4 | 3.2 | 5.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 6.3 | - | - | 3.2 | - | - | 0.0 | - | - |
| 137.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.1 | - | - |
| 140.0 | 40.0 | 2.8 | 0.0 | 0.0 | - | 2.8 | - | - | - | - | - | - |
| 140.0 | 50.0 | 0.0 | 2.9 | 0.0 | - | 3.8 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 0.0 | 2.9 | - | 0.0 | - | - | - | - | - | - |
| 147.0 | 30.0 | 2.9 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | - | - | 3.7 | - | - | - | - | - | - |
| 148.0 | 30.0 | - | - | - | - | 41.6 | - | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 0.0 | 6.5 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | 0.0 | - | 0.0 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 2.2 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 35.0 | - | - | 4.8 | - | - | - | - | - | - | - | - |
| 153.0 | 40.0 | 4.5 | - | 0.0 | - | 6.7 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |
| 157.0 | 40.0 | - | - | 0.0 | - | 7.7 | - | - | - | - | - | - |

Ceratoscopelus townsendi

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.0 | 90.0 | - | - | - | - | 9.3 | 0.0 | - | - | - | - | - |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 40.0 | - | 0.0 |
| 83.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 5.3 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | - | - | 0.0 | 0.0 | 3.3 |
| 93.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | - | - | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 7.3 | 0.0 | - | - | - | 12.7 | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 25.6 | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 97.0 | 65.0 | - | - | - | 29.0 | 7.1 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 0.0 | 14.2 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 75.0 | - | - | - | 3.3 | 3.1 | 2.8 | - | - | - | - | - |

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|-------|------|------|------|------|------|------|
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 46.6 | - |
| 97.0 | 90.0 | - | - | 0.0 | 1.9 | 0.0 | 2.5 | - | - | - | 21.7 | - |
| 100.0 | 60.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | - | - | 0.0 | 0.0 | 15.7 | - | - | - | - | - |
| 100.0 | 70.0 | - | - | 88.0 | 47.9 | 0.0 | - | - | - | - | 2.8 | - |
| 100.0 | 75.0 | - | - | - | 34.2 | 6.1 | 34.9 | - | - | - | 0.0 | - |
| 100.0 | 80.0 | - | - | 3.4 | 78.1 | 0.0 | - | - | - | - | - | - |
| 100.0 | 85.0 | - | - | - | 6.8 | 0.0 | - | - | - | - | - | - |
| 100.0 | 90.0 | - | - | 0.0 | 6.4 | 5.6 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 4.3 | 9.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 2.7 | 3.3 | 20.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 10.3 | 3.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | - | - | - | 3.4 | 0.0 |
| 103.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 5.1 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 3.5 | 0.0 | 0.0 | - | - | - | 9.6 | - |
| 103.0 | 65.0 | - | - | - | 5.3 | 33.2 | 5.3 | - | - | - | - | - |
| 103.0 | 70.0 | - | 0.0 | 41.6 | 105.9 | 138.2 | 0.0 | - | - | - | 26.7 | - |
| 103.0 | 75.0 | - | - | - | 8.8 | 61.6 | 5.3 | - | - | - | 6.1 | - |
| 103.0 | 80.0 | - | - | 15.1 | 44.6 | 39.4 | - | - | - | - | - | - |
| 103.0 | 85.0 | - | - | 12.5 | 32.4 | 9.9 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 9.8 | 0.0 | 27.0 | - | - | - | 0.0 | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | - | - | 13.0 | - | - |
| 107.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 14.9 | - | 0.0 |
| 107.0 | 50.0 | 0.0 | 0.0 | 22.3 | 4.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | 0.0 | 21.0 | 50.9 | 6.8 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | - | 60.4 | 3.3 | 6.7 | - | - | - | - | - |
| 107.0 | 65.0 | - | 12.4 | 6.5 | 212.4 | 19.3 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 70.0 | - | - | - | 2.1 | 12.3 | 6.5 | - | - | 3.2 | - | - |
| 107.0 | 75.0 | - | - | 0.0 | 38.3 | 7.1 | 20.8 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | - | 24.9 | 0.0 | 13.9 | - | - | - | - | - |
| 107.0 | 85.0 | - | - | 0.0 | 14.5 | 0.0 | 30.7 | - | - | - | - | - |
| 107.0 | 90.0 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 110.0 | 33.0 | - | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | 3.3 | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 6.1 | 3.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 | 65.0 | - | 0.0 | - | 0.0 | 2.5 | - | 4.3 | - | - | - | - |
| 110.0 | 70.0 | - | 0.0 | 6.6 | 0.0 | 0.0 | - | 0.0 | 33.0 | - | - | 0.0 |
| 110.0 | 75.0 | - | - | - | 0.0 | 3.2 | - | 7.4 | - | 2.8 | - | - |
| 110.0 | 80.0 | - | - | 63.5 | 39.3 | 5.9 | - | 3.4 | - | - | - | - |
| 110.0 | 85.0 | - | - | - | 5.6 | 0.0 | - | 85.5 | - | - | - | - |
| 110.0 | 90.0 | - | - | 0.0 | 73.0 | 0.0 | - | 0.0 | 6.3 | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 8.7 | 0.0 | - | - |
| 113.0 | 50.0 | 2.8 | 0.0 | 0.0 | 2.7 | 0.0 | 3.9 | - | - | - | - | - |

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | - | - | 0.0 | - | - |
| 113.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 113.0 | 80.0 | - | - | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 113.0 | 85.0 | - | - | - | - | 2.9 | - | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | - | - | 0.0 | - | - |
| 117.0 | 80.0 | - | - | 0.0 | 10.7 | 10.4 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 90.0 | - | - | - | - | 3.2 | - | - | - | - | - | - |
| 120.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | 5.9 | 0.0 | 4.9 | 35.3 | 0.0 | 0.0 | - | - | 3.3 | - | - |
| 120.0 | 75.0 | - | - | - | 5.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | - | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - | 5.9 | - | - |
| 120.0 | 85.0 | - | - | - | - | 8.5 | - | - | - | - | - | - |
| 120.0 | 90.0 | - | - | - | - | 9.1 | - | - | - | 5.9 | - | - |
| 123.0 | 55.0 | - | 5.8 | 0.0 | - | 0.0 | 18.5 | - | - | 0.0 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | - | 16.5 | - | - | 0.0 | - | - |
| 123.0 | 80.0 | - | - | 2.5 | - | - | 18.0 | - | - | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 5.6 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 11.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 7.3 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 6.3 | - | 2.1 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 80.0 | - | - | 5.7 | - | - | 0.0 | - | - | 3.1 | - | - |
| 147.0 | 35.0 | - | - | 2.5 | - | - | - | - | - | - | - | - |
| 147.0 | 40.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | 2.4 | - | 3.7 | - | - | - | - | - | - |
| 153.0 | 35.0 | - | - | 5.6 | - | - | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | - | - | 0.0 | - | - | - | - | - | - |

Diaphus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 70.0 | - | - | - | 31.6 | 11.4 | 0.0 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 25.1 | 69.8 | - | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 13.4 | 0.0 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 3.9 | 0.0 | 4.5 | - | - | - | - | - |
| 63.0 | 90.0 | - | - | - | - | 7.2 | - | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 8.2 | 3.1 | 31.9 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 0.0 | 3.2 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Diaphus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.0 | 90.0 | - | - | - | - | 19.0 | - | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 7.0 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 14.6 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | - | 0.0 | 3.0 | - | - | - | - | - |
| 80.0 | 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 60.0 | - | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | - | 0.0 | 0.0 | 3.2 | 0.0 | 20.7 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 83.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 83.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 83.0 | 90.0 | - | 0.0 | 0.0 | 6.6 | 0.0 | - | - | 0.0 | 0.0 | 2.6 | 0.0 |
| 87.0 | 55.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 85.0 | - | - | - | 0.0 | 2.7 | 7.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 8.2 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 1.4 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 90.0 | 70.0 | - | 0.0 | 0.0 | 3.3 | 0.0 | 5.5 | - | 0.0 | - | - | 0.0 |
| 90.0 | 85.0 | - | - | 0.0 | 0.0 | 0.0 | 6.3 | - | - | - | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 2.2 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | - | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | - | - | - | 0.0 | - |
| 93.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | 0.0 | 0.0 | 0.0 | 14.3 | - | - | - | 0.0 | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 2.6 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | - | - | 0.0 | 0.0 | 0.0 | 7.3 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | 0.0 | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | - | - | 0.0 | 0.0 | 0.0 | 8.9 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | 0.0 | 0.0 | 0.0 | 11.4 | - | - | - | 3.1 | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 2.5 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 0.0 | 6.8 | 0.0 | 2.6 | - | - | - | 0.0 | - |
| 100.0 | 70.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 90.0 | - | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.6 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.5 | 22.2 | - | - | - | 0.0 | 0.0 |
| 103.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 90.0 | - | - | - | 0.0 | 18.5 | 0.0 | - | - | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 6.4 | 0.0 | - | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 0.0 | 3.2 | 0.0 | - | - | - | - | - |
| 115.0 | 35.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - | - | - |
| | | | | | | | | | 2.9 | | | |

TABLE 4. (cont.)

Diaphus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 115.0 40.0 | - | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 45.0 | - | - | - | 0.0 | 0.0 | 2.6 | 0.0 | - | - | - | - | - |
| 123.0 55.0 | - | 0.0 | 0.0 | 0.0 | - | 2.7 | 0.0 | - | - | - | - | - |

Lampadena urophaos

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 70.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 5.9 | - | - | - | 0.0 | - |
| 97.0 75.0 | - | - | - | - | 0.0 | 3.1 | 8.6 | - | - | - | - | - |
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 97.0 90.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.1 | - |
| 100.0 65.0 | - | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 70.0 | - | 0.0 | - | 1.8 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 75.0 | - | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 103.0 70.0 | - | 0.0 | 0.0 | 0.0 | 3.2 | 9.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 75.0 | - | - | - | - | 0.0 | 13.7 | 2.6 | - | - | - | - | - |
| 103.0 80.0 | - | - | - | 0.0 | 3.4 | 6.6 | - | - | - | - | 0.0 | - |
| 103.0 90.0 | - | - | - | 0.0 | 0.0 | 15.0 | - | - | - | - | - | - |
| 107.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 17.4 | - | - |
| 107.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | - | - | 0.0 | - | 0.0 |
| 107.0 70.0 | - | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 6.9 | - | - | - | - | - |
| 107.0 85.0 | - | - | - | - | 3.6 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 90.0 | - | - | - | 0.0 | 2.9 | 12.8 | 0.0 | - | - | 0.0 | - | - |
| 110.0 80.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | 6.9 | - | - | - | - |
| 110.0 85.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 110.0 90.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | 3.4 | - | - | - | - |
| 113.0 65.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 113.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.0 | - | - | 0.0 | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - | 6.1 | - | - |
| 117.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.5 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 50.0 | 0.0 | 5.5 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 80.0 | - | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 90.0 | - | - | - | - | - | 6.1 | 0.0 | - | - | 0.0 | - | - |
| 123.0 55.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 24.7 | - | - | 0.0 | - | - |
| 123.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | 3.1 | - | - |
| 123.0 70.0 | - | - | - | 2.1 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 9.4 | - | - | 0.0 | - | - |
| 127.0 55.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.2 | - | - | - | - | - |
| 130.0 30.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Lampadena urophaos (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 70.0 | - | - | 2.5 | - | - | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 80.0 | - | - | 2.9 | - | - | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 80.0 | - | - | 0.0 | - | - | 6.3 | - | - | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | 3.7 | - | - |
| 137.0 | 50.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.3 | - | - |
| 140.0 | 40.0 | - | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 50.0 | - | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 50.0 | - | 0.0 | - | - | 0.0 | - | - | - | - | - | - |
| 147.0 | 20.0 | - | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | - | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 30.0 | - | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 2.2 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 30.0 | - | - | 3.1 | - | 0.0 | - | - | - | - | - | - |

Lampanyctus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 0.0 | - | - | - | 0.0 | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 3.5 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.4 | 3.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 7.7 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 65.0 | - | - | - | 0.0 | 25.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 70.0 | - | 0.0 | 3.2 | 0.0 | 6.6 | 0.0 | - | - | - | - | - |
| 103.0 | 75.0 | - | - | - | 0.0 | 10.3 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 80.0 | - | - | 0.0 | 3.4 | 0.0 | - | - | - | - | - | - |
| 103.0 | 85.0 | - | - | - | 0.0 | 9.9 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 2.7 | 0.0 | - | - | - | - | - | - |
| 107.0 | 45.0 | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 4.3 | 0.0 | - | 0.0 |
| 107.0 | 60.0 | 3.2 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | 0.0 | 3.3 | - | - |
| 107.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | 0.0 | 0.0 | 2.8 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | - | 0.0 | 3.3 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.8 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | - | - |
| 115.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.2 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 2.9 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.2 | - | - |

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 120.0 | 45.0 | 2.8 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 13.8 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 75.0 | - | - | - | 2.5 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | 2.5 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - | 5.9 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 6.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 55.0 | 4.5 | 11.6 | 0.0 | - | 0.0 | 3.1 | - | - | - | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 6.2 | - | - | 0.0 | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | 0.0 | 3.3 | - | - | 0.0 | - | - |
| 127.0 | 45.0 | 30.1 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 8.6 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 2.6 | 0.0 | 0.0 | - | 5.8 | 15.6 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 6.9 | 6.7 | 3.0 | - | 0.0 | 12.9 | - | - | - | - | - |
| 127.0 | 60.0 | 5.3 | 6.8 | 9.0 | - | 11.1 | 2.9 | - | - | 0.0 | - | - |
| 127.0 | 70.0 | - | - | 0.0 | - | - | 7.1 | - | - | 0.0 | - | - |
| 127.0 | 80.0 | - | - | 2.7 | - | - | - | - | - | 0.0 | - | - |
| 130.0 | 40.0 | 5.2 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | 5.5 | 0.0 | 0.0 | 5.4 | 0.0 | - | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 55.0 | - | - | 6.6 | - | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 | 60.0 | 0.0 | 0.0 | 0.0 | 8.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 70.0 | - | - | 2.5 | - | - | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 3.6 | - | - | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | - | 3.2 | 3.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 40.0 | 2.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 50.0 | 3.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 55.0 | - | - | 5.8 | - | - | - | - | - | - | - | - |
| 133.0 | 60.0 | - | - | 0.0 | - | - | 21.8 | - | - | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 40.0 | 4.4 | 5.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 0.0 | - | 2.1 | 0.0 | - | - | - | - | - |
| 137.0 | 50.0 | 9.5 | 0.0 | 2.9 | 2.4 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 137.0 | 60.0 | - | - | 0.0 | - | - | 15.3 | - | - | 3.1 | - | - |
| 137.0 | 70.0 | - | - | 9.4 | - | - | 9.5 | - | - | 13.0 | - | - |
| 137.0 | 80.0 | - | - | 0.0 | - | - | 5.7 | - | - | 0.0 | - | - |
| 140.0 | 35.0 | 0.0 | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 2.8 | 0.0 | 0.0 | - | 2.8 | - | - | - | - | - | - |
| 140.0 | 45.0 | - | - | 2.3 | - | 23.0 | - | - | - | - | - | - |
| 140.0 | 50.0 | 3.4 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 140.0 | 55.0 | - | - | 5.1 | - | - | - | - | - | - | - | - |
| 140.0 | 70.0 | - | - | 5.7 | - | - | - | - | - | - | - | - |
| 143.0 | 35.0 | 2.1 | 0.0 | 7.6 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 0.0 | 8.6 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 50.0 | 3.0 | 0.0 | - | - | 0.0 | - | - | - | - | - | - |

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 147.0 25.0 | - | 3.6 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 30.0 | - | 0.0 | 2.9 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 40.0 | - | 0.0 | 0.0 | 4.9 | - | - | - | - | - | - | - | - |
| 147.0 55.0 | - | - | - | 3.4 | - | - | - | - | - | - | - | - |
| 150.0 35.0 | - | 0.0 | - | 5.5 | - | - | - | - | - | - | - | - |
| 150.0 40.0 | - | 0.0 | 0.0 | 51.8 | - | 0.0 | - | - | - | - | - | - |
| 153.0 20.0 | - | 10.2 | - | 0.0 | - | 4.9 | - | - | - | - | - | - |
| 153.0 25.0 | - | - | - | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 153.0 30.0 | - | 3.0 | - | 0.0 | - | 6.6 | - | - | - | - | - | - |
| 157.0 15.0 | - | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |
| 157.0 20.0 | - | 10.5 | - | 5.5 | - | 11.6 | - | - | - | - | - | - |
| 157.0 30.0 | - | 29.4 | - | 0.0 | - | 2.6 | - | - | - | - | - | - |
| 157.0 40.0 | - | - | - | 0.0 | - | - | - | - | - | - | - | - |

Lampanyctus regalis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 70.0 70.0 | - | - | - | - | 4.4 | 11.9 | 0.0 | - | - | - | 0.0 | - |
| 70.0 90.0 | - | - | - | - | 3.3 | 0.0 | - | - | - | - | - | - |
| 77.0 55.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 77.0 80.0 | - | - | - | - | 3.7 | 0.0 | 0.0 | - | - | - | - | - |
| 80.0 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 0.0 | 0.0 |
| 80.0 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 65.0 | - | - | - | - | - | 3.2 | 0.0 | - | - | - | - | - |
| 83.0 75.0 | - | - | - | - | - | 0.0 | 3.5 | - | - | - | - | - |
| 87.0 75.0 | - | - | - | - | 0.0 | 0.0 | 3.8 | - | - | 2.7 | - | 0.0 |
| 87.0 90.0 | - | - | - | 0.0 | 0.0 | 6.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 90.0 | - | 0.0 | 3.2 | 0.0 | 0.0 | 6.7 | 5.3 | - | - | 0.0 | - | - |
| 93.0 55.0 | - | - | - | 0.0 | 0.0 | 9.8 | 0.0 | - | - | - | 0.0 | - |
| 97.0 70.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 5.9 | - | - | - | 0.0 | - |
| 100.0 60.0 | 0.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 70.0 | - | 0.0 | - | 7.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 80.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 45.0 | - | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | - | - | - | 0.0 | 0.0 |
| 103.0 65.0 | - | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 80.0 | - | - | - | 0.0 | 6.9 | 0.0 | - | - | - | - | 0.0 | - |
| 110.0 90.0 | - | 0.0 | - | 0.0 | 12.2 | 0.0 | - | 0.0 | - | - | - | - |

Lampanyctus ritteri

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 60.0 | - | - | - | - | 9.5 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 90.0 | - | - | - | 4.3 | 0.0 | - | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 0.0 | 13.0 | 0.0 | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 0.0 | 0.0 | 6.4 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 4.1 | 6.3 | 4.0 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 0.0 | 6.4 | 3.2 | - | - | - | - | - |
| 67.0 | 90.0 | - | - | - | - | 3.2 | - | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 9.1 | 0.0 | 0.0 | - | - | - | - | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 6.2 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 7.8 | 0.0 | - | - | - | - | - | - |
| 77.0 | 50.0 | - | - | - | 6.6 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 7.5 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 3.7 | 0.0 | 7.3 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | - | 3.1 | 0.0 | - | - | - | - | - |
| 80.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | 0.0 | 3.7 |
| 80.0 | 70.0 | - | 0.0 | 25.8 | 14.3 | 26.3 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | - | 29.0 | 9.2 | 6.5 | 0.0 | 0.0 | - | - | 5.7 | - | 0.0 |
| 80.0 | 90.0 | - | 17.8 | 5.8 | 11.0 | 3.0 | 0.0 | - | - | - | - | 0.0 |
| 83.0 | 48.0 | - | 2.5 | - | - | - | - | - | - | - | - | - |
| 83.0 | 52.0 | - | 10.8 | - | - | - | - | - | - | - | 0.0 | - |
| 83.0 | 60.0 | - | 23.5 | 14.9 | - | 20.6 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 65.0 | - | - | - | 2.9 | 15.8 | 5.8 | - | - | - | - | - |
| 83.0 | 70.0 | - | 0.0 | 4.9 | 6.1 | 15.0 | 3.5 | - | - | 2.3 | - | - |
| 83.0 | 75.0 | - | - | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 8.6 | 0.0 | 2.8 | - | - | - | - | - |
| 83.0 | 85.0 | - | - | 7.0 | 16.4 | 5.9 | - | - | - | 0.0 | - | 0.0 |
| 83.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.2 | - |
| 87.0 | 50.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | 2.4 | - | - |
| 87.0 | 70.0 | - | 11.8 | 0.0 | 3.3 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 87.0 | 75.0 | - | - | - | 3.3 | 3.0 | 3.8 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 9.3 | 0.0 | - | - | - | 3.2 | - | - |
| 87.0 | 85.0 | - | - | 10.1 | 16.7 | 0.0 | 17.5 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 14.0 | - | - | 2.7 | - | 0.0 |
| 90.0 | 28.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 5.5 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | - | 0.0 | 0.0 | 23.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 60.0 | - | 0.0 | 11.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 9.4 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 70.0 | - | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.2 | - | 3.1 |
| 90.0 | 75.0 | - | - | - | 26.2 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 80.0 | - | 5.7 | 0.0 | 2.6 | 9.8 | 0.0 | - | - | 1.3 | - | 2.8 |
| 90.0 | 90.0 | - | 6.3 | 0.0 | 3.0 | 3.3 | 5.3 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | - | 3.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 3.1 | 5.2 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93.0 | 50.0 | 0.0 | 0.0 | 14.9 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 0.0 | 17.4 | 0.0 | 3.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 3.2 | 22.8 | 3.1 | 37.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 10.2 | 40.4 | 8.9 | - | - | - | 3.1 | - |
| 93.0 | 70.0 | 12.6 | 3.0 | 0.0 | 13.6 | 4.0 | 3.8 | - | - | - | - | - |
| 93.0 | 75.0 | - | - | - | 5.4 | 7.0 | 3.6 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 13.5 | 0.0 | 5.2 | - | - | - | 3.2 | - |
| 93.0 | 85.0 | - | - | - | 0.0 | 21.4 | 2.8 | - | - | - | 0.0 | - |
| 93.0 | 90.0 | - | - | 12.7 | 0.0 | 15.4 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 32.0 | 0.0 | - | 39.6 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 22.8 | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 0.0 | 6.6 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | - | - | 0.0 | 7.8 | 6.1 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 14.5 | 3.5 | 2.6 | - | - | - | - | - |
| 97.0 | 70.0 | 5.8 | - | 14.2 | 4.7 | 0.0 | 3.0 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | - | 0.0 | 3.1 | 2.8 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 2.8 | 5.5 | - | - | - | 3.3 | - |
| 97.0 | 90.0 | - | - | 46.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 11.2 | 3.4 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - |
| 100.0 | 45.0 | - | - | 0.0 | 0.0 | 3.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 6.3 | 2.4 | 14.9 | 10.4 | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 6.9 | 4.6 | 9.9 | 5.4 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 6.8 | 0.0 | 4.8 | 8.9 | 3.1 | 13.1 | - | - | - | - | - |
| 100.0 | 65.0 | - | - | - | 3.0 | 2.7 | - | - | - | - | 0.0 | - |
| 100.0 | 70.0 | 0.0 | - | 33.4 | 47.9 | 0.0 | 9.5 | - | - | - | - | - |
| 100.0 | 75.0 | - | - | - | 45.6 | 6.1 | - | - | - | - | 0.0 | - |
| 100.0 | 80.0 | 3.4 | - | 3.4 | 19.5 | 0.0 | - | - | - | - | - | - |
| 100.0 | 85.0 | - | - | - | 3.4 | 15.4 | - | - | - | - | 3.1 | - |
| 100.0 | 90.0 | - | - | 0.0 | 6.4 | 19.7 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 5.7 | 0.0 | 5.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 21.2 | 13.1 | 23.4 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 12.6 | 0.0 | 5.6 | 24.1 | 26.7 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 9.2 | 5.1 | 15.5 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 6.2 | 8.0 | 0.0 | 3.3 | 4.9 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 5.1 | - | - | - | - | - |
| 103.0 | 60.0 | 12.6 | - | 10.2 | 6.9 | 10.1 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 15.9 | 0.0 | 2.7 | - | - | - | - | - |
| 103.0 | 70.0 | - | 0.0 | 16.0 | 3.2 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 75.0 | - | - | - | 2.9 | 6.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 80.0 | - | - | 6.0 | 10.3 | 6.6 | - | - | - | - | - | - |
| 103.0 | 85.0 | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 0.0 | 0.0 | - | - | - | - | - | - |
| 107.0 | 32.0 | - | 0.0 | 6.4 | 0.0 | - | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | 2.9 | - | 0.0 | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 107.0 | 40.0 | 11.4 | 12.6 | 0.0 | 0.0 | 6.8 | 2.3 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 2.7 | 10.9 | 0.0 | 5.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 31.8 | 23.5 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 3.2 | 22.6 | 21.0 | 0.0 | 6.8 | 3.4 | - | - | 0.0 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 9.1 | 0.0 | 3.4 | - | - | - | - | - |
| 107.0 | 70.0 | - | 4.6 | 8.7 | 61.4 | 6.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | 0.0 | 0.0 | 9.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 6.4 | 14.2 | 0.0 | - | - | - | - | - |
| 107.0 | 85.0 | - | - | - | 14.2 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 20.5 | - | - | - | - | - |
| 110.0 | 33.0 | - | 10.4 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 35.0 | - | 74.2 | 12.6 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 3.0 | - | 3.2 | - | - | - | - |
| 110.0 | 50.0 | 2.7 | 5.3 | 2.9 | 9.2 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 55.0 | 5.8 | 10.2 | 3.9 | 0.0 | 0.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 | 60.0 | - | - | - | 0.0 | 2.5 | - | 4.3 | - | - | - | 6.4 |
| 110.0 | 65.0 | - | 0.0 | 6.6 | 0.0 | 0.0 | - | 0.0 | - | 3.3 | - | - |
| 110.0 | 70.0 | - | 0.0 | - | 0.0 | 3.2 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 75.0 | - | 0.0 | 3.3 | 12.1 | 5.9 | - | 0.0 | - | - | - | - |
| 110.0 | 80.0 | - | - | - | 11.1 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 85.0 | - | - | - | 33.4 | 0.0 | - | 3.4 | - | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 15.4 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 2.7 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - |
| 113.0 | 50.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 55.0 | - | - | 0.0 | 0.0 | 2.9 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 5.5 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 70.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 50.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 60.0 | 2.7 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 75.0 | - | - | - | 0.0 | 0.0 | 10.1 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | 4.8 | 0.0 | 3.5 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 5.5 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 60.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | - | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 90.0 | - | - | - | - | - | - | - | - | 3.0 | - | - |
| 123.0 | 70.0 | - | - | 4.1 | - | - | 0.0 | - | - | 6.2 | - | - |
| 123.0 | 80.0 | - | - | 2.5 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | - | - |

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 133.0 40.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 45.0 | - | - | - | 0.0 | - | 4.2 | 0.0 | - | - | - | - | - |
| 140.0 40.0 | - | 0.0 | 0.0 | 0.0 | - | 8.3 | - | - | - | - | - | - |

Notoscopelus resplendens

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90.0 80.0 | - | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | 0.0 | - |
| 93.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.2 | - | - | - | 0.0 | - |
| 97.0 70.0 | - | 0.0 | - | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 75.0 | - | - | - | - | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | - | - |
| 100.0 65.0 | - | - | - | - | 0.0 | 0.0 | 13.1 | - | - | - | - | - |
| 100.0 75.0 | - | - | - | - | 6.8 | 0.0 | 15.9 | - | - | - | - | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 103.0 70.0 | - | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 45.0 | - | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 55.0 | - | - | - | 9.5 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 65.0 | - | - | - | - | 6.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 70.0 | - | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 75.0 | - | - | - | 0.0 | 2.1 | 6.2 | 0.0 | - | - | - | - | - |
| 107.0 80.0 | - | - | - | 0.0 | 6.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 85.0 | - | - | - | - | 14.2 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 90.0 | - | - | - | 0.0 | 11.6 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | - | 0.0 | - | - |
| 110.0 75.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 3.7 | - | - | - | - |
| 110.0 80.0 | - | 0.0 | - | 0.0 | 6.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 85.0 | - | - | - | 0.0 | 5.6 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - |
| 123.0 55.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | - | - | - |
| 123.0 70.0 | - | 0.0 | 0.0 | 0.0 | - | - | 3.3 | - | - | 0.0 | - | - |
| 127.0 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 133.0 70.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - | 2.8 | - | - |
| 157.0 15.0 | - | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |

Stenobrachius leucopsarus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 55.0 | - | - | - | - | 97.0 | 0.0 | 0.0 | - | - | - | - | - |
| 60.0 60.0 | - | - | - | - | 14.2 | 0.0 | 0.0 | - | - | - | - | - |
| 60.0 70.0 | - | - | - | - | 72.3 | 22.7 | 0.0 | - | - | - | - | - |
| 60.0 80.0 | - | - | - | - | 41.8 | 11.6 | - | - | - | - | - | - |

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|-------|------|------|------|------|------|------|
| 60.0 | 90.0 | - | - | - | 4.3 | 0.0 | - | - | - | - | - | - |
| 63.0 | 55.0 | - | - | - | 16.9 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 93.0 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 3.6 | 0.0 | 15.0 | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 0.0 | 19.1 | 0.0 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 21.1 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 55.0 | - | - | - | 138.6 | 0.0 | 0.0 | - | - | - | 2.7 | - |
| 70.0 | 60.0 | - | - | - | 51.6 | 6.3 | 7.1 | - | - | - | 3.1 | - |
| 70.0 | 70.0 | - | - | - | 133.5 | 11.9 | 0.0 | - | - | - | 2.5 | - |
| 70.0 | 80.0 | - | - | - | 6.9 | 0.0 | - | - | - | - | 0.0 | - |
| 70.0 | 90.0 | - | - | - | 3.3 | 16.5 | - | - | - | - | - | - |
| 73.0 | 50.0 | - | - | - | 18.2 | 0.0 | 9.5 | - | - | - | - | - |
| 73.0 | 55.0 | - | - | - | 37.3 | 30.9 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 200.6 | 12.1 | 0.0 | - | - | - | 3.1 | - |
| 73.0 | 70.0 | - | - | - | 16.5 | 34.1 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 15.6 | 12.3 | - | - | - | - | - | - |
| 77.0 | 50.0 | - | - | - | 13.2 | 18.4 | 0.0 | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 45.1 | 152.5 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 241.2 | 6.4 | 0.0 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 29.7 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 11.1 | 0.0 | 0.0 | - | - | - | - | - |
| 80.0 | 51.0 | - | - | - | 3.0 | 25.4 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 55.0 | - | - | - | 100.3 | 0.0 | 5.7 | - | - | 0.0 | 0.0 | 3.0 |
| 80.0 | 60.0 | - | - | - | 48.3 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 7.3 |
| 80.0 | 70.0 | - | - | - | 5.5 | 16.6 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | - | - | - | 17.7 | 328.4 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 90.0 | - | - | - | 46.4 | 0.0 | 0.0 | - | - | - | - | 3.2 |
| 80.0 | 80.0 | - | - | - | 35.5 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 82.0 | 47.0 | - | - | - | 71.5 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 40.0 | - | - | - | 60.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | - | - | - | 26.6 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 48.0 | - | - | - | 2.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 51.0 | - | - | - | 75.6 | - | - | - | - | - | - | - |
| 83.0 | 52.0 | - | - | - | 198.9 | 14.2 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 55.0 | - | - | - | 61.7 | - | - | - | - | - | - | - |
| 83.0 | 60.0 | - | - | - | - | 3.4 | 8.6 | - | - | - | 0.0 | - |
| 83.0 | 70.0 | - | - | - | 84.2 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 75.0 | - | - | - | 23.0 | 15.0 | 0.0 | - | - | 4.7 | - | - |
| 83.0 | 80.0 | - | - | - | - | 10.4 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 85.0 | - | - | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 90.0 | - | - | - | - | 2.9 | 0.0 | - | - | 0.0 | - | 9.0 |
| 86.0 | 46.0 | - | - | - | 3.3 | 0.0 | - | - | - | - | - | - |
| 87.0 | 35.0 | - | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 36.0 | - | - | - | 106.8 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 38.0 | - | - | - | 36.4 | 529.8 | - | - | - | - | - | - |
| 87.0 | 40.0 | - | - | - | 269.3 | 386.4 | - | - | - | 0.0 | 0.0 | - |
| | | | | | 301.3 | 8.1 | - | - | - | - | - | - |

TABLE 4. (cont.)

Stenobranchius leucopsarus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 87.0 | 45.0 | - | 199.7 | - | 41.8 | 0.0 | 10.8 | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 23.4 | 550.4 | 0.0 | 11.6 | 4.7 | - | - | 0.0 | 0.0 | - |
| 87.0 | 55.0 | 0.0 | - | - | 39.0 | 164.7 | 2.9 | - | - | 0.0 | 0.0 | - |
| 87.0 | 60.0 | 67.7 | 0.0 | 0.0 | 10.9 | 15.0 | 0.0 | - | - | 0.0 | 3.8 | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 38.8 | 0.0 | - | - | - | - | - |
| 87.0 | 70.0 | 45.1 | 482.2 | 113.6 | 3.3 | 13.0 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 75.0 | - | - | - | 23.4 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 9.3 | 0.0 | - | - | - | 0.0 | - | - |
| 87.0 | 85.0 | - | - | - | 19.5 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 121.0 | 13.8 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 28.0 | 60.3 | 121.5 | 184.9 | 21.4 | 7.9 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 30.0 | 25.0 | 219.8 | 125.4 | 7.6 | 15.8 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 126.8 | 349.2 | 86.8 | 12.7 | 12.8 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 32.1 | 408.0 | 0.0 | 35.8 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 22.2 | 7.2 | 8.4 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 542.4 | 46.2 | 14.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | 8.7 | 188.1 | 29.3 | 136.8 | 12.6 | 0.0 | - | - | 0.0 | 0.0 | 3.3 |
| 90.0 | 65.0 | - | - | - | 0.0 | 18.7 | 0.0 | - | - | - | - | - |
| 90.0 | 70.0 | 0.0 | 190.4 | 29.0 | 19.8 | 3.1 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 19.6 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 40.0 | 24.8 | 0.0 | 16.4 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 85.0 | - | - | - | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 12.6 | 105.9 | 6.0 | 26.8 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 27.0 | 114.8 | 56.2 | 6.3 | 27.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 30.0 | 32.0 | 261.4 | 40.9 | 24.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | - | 62.4 | 8.3 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 22.2 | 22.6 | 560.0 | 5.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 395.5 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 136.0 | 168.6 | 373.0 | 9.1 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 134.4 | 46.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 40.3 | 90.7 | 0.0 | 24.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 76.8 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 46.1 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 80.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 90.0 | - | - | 44.5 | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 5.3 | 5.1 | 3.1 | 75.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 32.0 | 0.0 | - | 73.6 | 3.2 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 40.0 | 12.4 | 179.8 | 6.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 12.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 98.1 | 5.7 | - | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 25.9 | - | 12.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 80.0 | - | - | 9.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 53.6 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 20.9 | 10.5 | 22.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 0.0 | 47.9 | 120.1 | 42.6 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 100.0 | 40.0 | 0.0 | 33.7 | 0.0 | 14.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 100.0 | 50.0 | 44.8 | 0.0 | 3.1 | 4.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 33.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 2.5 | 0.0 | 34.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 38.0 | 0.0 | - | - | - | - | - | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | 0.0 |
| 103.0 | 60.0 | 0.0 | - | 6.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 35.0 | - | 0.0 | 18.8 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.1 | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Triphoturus mexicanus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 77.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 80.0 | 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 0.0 | 0.0 |
| 80.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | 0.0 | 0.0 |
| 82.0 | 47.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 4.7 | - |
| 83.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.1 | 0.0 | - |
| 83.0 | 65.0 | - | - | - | - | 3.2 | 0.0 | - | - | - | - | - |
| 83.0 | 70.0 | - | - | 0.0 | 0.0 | 6.0 | 2.9 | - | - | 0.0 | - | - |
| 83.0 | 85.0 | - | - | - | - | 2.9 | 0.0 | - | - | - | - | - |
| 87.0 | 36.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | 6.8 | - |
| 87.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 3.9 | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | - | - | 0.0 | 0.0 | - |
| 87.0 | 80.0 | - | - | 0.0 | 0.0 | 3.1 | - | - | - | 0.0 | - | - |
| 87.0 | 85.0 | - | - | - | 0.0 | 2.7 | 7.0 | - | - | 5.5 | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 6.0 | 0.0 | - | - | 6.5 | 22.1 | 0.0 |
| 90.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | - | - | 3.4 | 5.9 | 0.0 |
| 90.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.3 | 1.9 | 0.0 |
| 90.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 0.0 | 26.3 | 0.0 | 0.0 | 42.3 | - | - | 0.0 | 3.4 | 0.0 |
| 90.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | - | - | 0.0 | - | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.2 | - | 0.0 |
| 90.0 | 80.0 | - | 0.0 | 0.0 | 2.6 | 3.3 | 0.0 | - | - | 0.0 | - | 36.3 |

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|-------|------|------|------|------|------|
| 90.0 | 85.0 | - | - | - | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 3.2 | 0.0 | 6.0 | 0.0 | 31.7 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.3 | 2.7 | - | - | 3.5 | 0.0 | - |
| 93.0 | 35.0 | - | - | 0.0 | 2.1 | 12.3 | 13.0 | - | - | 8.9 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 14.6 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 25.1 | 24.4 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.2 | 28.2 | - | - | - | 13.4 | - |
| 93.0 | 55.0 | - | - | 0.0 | 0.0 | 13.1 | 33.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 7.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 18.4 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 30.7 | - | - | - | 6.1 | - |
| 93.0 | 75.0 | - | - | - | 10.7 | 7.0 | 121.7 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 57.0 | - | - | - | 0.0 | - |
| 93.0 | 85.0 | - | - | - | 10.4 | 14.2 | 0.0 | - | - | - | - | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.8 | 9.9 | - | - | - | 3.2 | - |
| 97.0 | 32.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 1.9 | 0.0 |
| 97.0 | 35.0 | - | - | - | - | - | - | - | - | - | 3.5 | - |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.9 | 15.1 | 61.8 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 12.3 | 7.8 | 4.0 | 2.7 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 0.0 | - | 20.1 | 22.6 | 23.9 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 0.0 | 0.0 | 51.5 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 15.7 | 6.1 | 17.0 | - | - | - | 13.1 | - |
| 97.0 | 65.0 | - | - | - | 11.6 | 7.1 | 5.2 | - | - | - | - | - |
| 97.0 | 70.0 | 0.0 | - | 11.4 | 14.2 | 22.5 | 32.5 | - | - | - | 2.1 | - |
| 97.0 | 75.0 | - | - | - | 6.7 | 12.4 | 28.5 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 0.0 | 7.0 | 11.2 | 22.2 | - | - | - | 0.0 | - |
| 97.0 | 85.0 | - | - | - | 3.0 | 6.1 | 0.0 | - | - | - | - | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 18.2 | 45.2 | - | - | - | 9.6 | - |
| 100.0 | 30.0 | - | - | - | - | - | - | - | - | - | - | - |
| 100.0 | 32.0 | - | - | - | 0.0 | 17.9 | 8.5 | - | - | - | - | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 100.0 | 35.0 | - | - | - | - | - | - | - | - | - | 3.3 | - |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 84.8 | - | - | - | 2.8 | 0.0 |
| 100.0 | 45.0 | - | - | 9.5 | 14.1 | 18.2 | 25.7 | - | - | - | - | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.8 | 114.4 | - | - | - | 12.0 | - |
| 100.0 | 55.0 | - | - | 3.4 | 9.1 | 3.3 | 10.4 | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 14.5 | 8.9 | 6.2 | 5.4 | - | - | - | 3.2 | - |
| 100.0 | 65.0 | - | - | - | 36.1 | 5.4 | 149.3 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 5.3 | 85.5 | 11.2 | - | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | - | 20.5 | 0.0 | 6.3 | - | - | - | - | - |
| 100.0 | 80.0 | 0.0 | - | 0.0 | 6.5 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 10.3 | 18.5 | - | - | - | - | - | - |
| 100.0 | 90.0 | 0.0 | - | 5.3 | 0.0 | 8.4 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 30.0 | 18.1 | 58.2 | 0.0 | - | - | - | 7.9 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 39.8 | 16.4 | 32.2 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 8.5 | 48.2 | 49.7 | 0.0 | - | - | - | 15.8 | - |

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 103.0 | 45.0 | - | - | 3.1 | 17.9 | 34.8 | 19.8 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 2.7 | 2.6 | 13.4 | 9.9 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 5.6 | 7.1 | 13.1 | 30.7 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 3.4 | 10.4 | 26.9 | 194.9 | - | - | - | 3.2 | - |
| 103.0 | 65.0 | - | - | - | 26.5 | 59.0 | 61.0 | - | - | - | - | - |
| 103.0 | 70.0 | 0.0 | 18.6 | 32.0 | 6.4 | 16.5 | 9.2 | - | - | - | 0.0 | - |
| 103.0 | 75.0 | - | - | - | 5.9 | 23.9 | 23.7 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 0.0 | 41.2 | 3.3 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 24.2 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 13.5 | 0.0 | - | - | - | - | - | - |
| 107.0 | 32.0 | - | 0.0 | 0.0 | 0.0 | - | 7.3 | - | - | - | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 0.0 | 10.5 | 17.0 | 62.8 | - | - | 13.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 60.8 | 30.8 | 18.4 | - | - | 21.8 | - | - |
| 107.0 | 45.0 | - | - | 19.9 | 12.1 | 6.7 | 41.7 | - | - | - | - | - |
| 107.0 | 50.0 | 5.4 | 0.0 | 0.0 | 27.4 | 58.6 | 13.3 | - | - | 43.4 | - | - |
| 107.0 | 55.0 | - | - | 25.4 | 38.5 | 28.2 | 9.7 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 7.6 | 35.0 | 42.4 | 40.7 | 180.2 | - | - | 33.6 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 15.1 | 32.7 | 147.8 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | 65.3 | 4.3 | 103.8 | 61.0 | 0.0 | - | - | 16.3 | - | - |
| 107.0 | 75.0 | - | - | - | 4.2 | 21.6 | 6.5 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 25.5 | 21.4 | 38.2 | - | - | 3.2 | - | - |
| 107.0 | 85.0 | - | - | - | 24.9 | 12.8 | 124.9 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 31.8 | 12.8 | 17.1 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | - | 4.5 | 12.1 | 21.4 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 23.7 | 6.2 | - | 23.4 | 85.0 | 85.8 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 42.4 | 0.0 | 6.1 | - | 47.2 | 57.2 | 11.2 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 24.6 | 0.0 | - | 136.1 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 9.2 | 3.0 | - | 42.8 | - | 56.8 | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 6.3 | 31.3 | - | 33.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 3.0 | 83.4 | - | 88.2 | - | 234.3 | - | - |
| 110.0 | 65.0 | - | - | - | 10.6 | 73.4 | - | 147.2 | - | - | - | - |
| 110.0 | 70.0 | - | - | 9.9 | 15.9 | 108.5 | - | 10.3 | - | 16.5 | - | 0.0 |
| 110.0 | 75.0 | 0.0 | - | - | 40.5 | 171.7 | - | 7.4 | - | 0.0 | - | - |
| 110.0 | 80.0 | 0.0 | - | 23.4 | 87.6 | 212.4 | - | 20.6 | - | - | - | - |
| 110.0 | 85.0 | - | - | - | 61.2 | 8.6 | - | 39.8 | - | - | - | - |
| 110.0 | 90.0 | 0.0 | - | 6.7 | 212.8 | 0.0 | - | 44.5 | - | - | - | - |
| 113.0 | 30.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 2.8 | - | - |
| 113.0 | 35.0 | 5.0 | 12.7 | 39.5 | 12.4 | 2.7 | 0.0 | 53.2 | 316.1 | 38.9 | - | - |
| 113.0 | 40.0 | 2.6 | 7.0 | 15.1 | 73.2 | 18.4 | 12.8 | 14.9 | 345.1 | 28.0 | - | - |
| 113.0 | 45.0 | - | - | 8.5 | 11.0 | 58.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 6.6 | 14.6 | 100.7 | 83.6 | 27.1 | - | - | 50.4 | - | - |
| 113.0 | 55.0 | - | - | 28.6 | 11.7 | 51.8 | 56.0 | - | - | - | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 120.7 | 0.0 | 7.2 | 18.4 | - | - | 18.3 | - | - |
| 113.0 | 65.0 | - | 0.0 | - | 5.4 | 60.5 | 34.3 | - | - | - | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 7.6 | 28.5 | 76.2 | 28.0 | - | - | 33.2 | - | - |
| 113.0 | 75.0 | - | - | - | 5.1 | - | 3.3 | - | - | - | - | - |

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|------|-------|------|-------|-------|------|------|
| 113.0 | 80.0 | - | - | 2.9 | 20.7 | 5.0 | 21.7 | - | - | 175.4 | - | - |
| 113.0 | 85.0 | - | - | - | - | 14.7 | - | - | - | - | - | - |
| 113.0 | 90.0 | - | - | - | - | 15.1 | - | - | - | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 0.0 | 3.1 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 2.8 | 35.0 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 39.9 | 260.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 14.6 | 5.3 | 54.2 | - | - |
| 117.0 | 30.0 | 0.0 | 6.2 | 0.0 | 0.0 | 6.8 | 0.0 | 8.8 | 9.3 | 23.2 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 7.6 | 12.4 | 7.4 | 0.0 | 96.0 | 18.0 | 19.2 | - | - |
| 117.0 | 40.0 | 0.0 | 6.0 | 10.4 | 5.4 | 74.8 | 6.7 | 13.7 | 115.5 | 43.5 | - | - |
| 117.0 | 45.0 | 2.3 | - | 0.0 | 6.9 | 24.3 | 3.7 | - | - | - | - | - |
| 117.0 | 50.0 | 0.0 | 6.2 | 0.0 | 16.8 | 18.8 | 16.7 | - | - | 89.9 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 12.2 | 2.6 | 42.1 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 12.3 | 10.5 | 3.1 | 4.9 | 59.2 | - | - | 126.5 | - | - |
| 117.0 | 65.0 | - | - | - | 0.0 | 7.1 | 22.1 | - | - | - | - | - |
| 117.0 | 70.0 | 0.0 | 9.6 | 13.4 | 18.2 | 2.5 | 6.6 | - | - | 53.8 | - | - |
| 117.0 | 75.0 | - | - | 55.7 | 8.1 | 5.6 | 40.4 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | - | 26.8 | 41.5 | 47.3 | - | - | 27.1 | - | - |
| 117.0 | 85.0 | - | - | - | - | 10.0 | - | - | - | - | - | - |
| 117.0 | 90.0 | - | - | 21.5 | - | 12.8 | - | - | - | - | - | - |
| 118.0 | 39.0 | - | 0.0 | - | 0.0 | 24.1 | 3.3 | - | - | 2.4 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 0.0 | 2.5 | - | - | - |
| 118.5 | 30.0 | - | - | - | 5.4 | - | - | 6.4 | 7.5 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 0.0 | 5.2 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 10.1 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 46.8 | 9.3 | 2.1 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 12.0 | 3.4 | 17.2 | 27.7 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | 4.1 | 3.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 2.5 | 12.8 | 0.0 | 55.7 | 126.9 | 19.6 | - | - |
| 120.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 2.8 | 0.0 | 3.3 | - | - | - | - | - |
| 120.0 | 60.0 | 2.6 | 0.0 | 0.0 | 0.0 | 3.7 | 17.6 | - | - | 36.1 | - | - |
| 120.0 | 65.0 | - | - | - | 54.5 | 3.4 | 67.3 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 19.6 | 129.4 | 25.8 | 107.5 | - | - | 52.2 | - | - |
| 120.0 | 75.0 | - | - | - | 35.0 | 41.9 | 13.6 | - | - | - | - | - |
| 120.0 | 80.0 | 0.0 | 0.0 | 3.0 | 30.1 | 23.1 | 0.0 | - | - | 55.7 | - | - |
| 120.0 | 85.0 | - | - | - | - | 11.3 | - | - | - | - | - | - |
| 120.0 | 90.0 | - | - | - | - | 21.4 | - | - | - | 11.9 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 5.3 | 0.0 | 23.0 | 0.0 | 15.4 | 3.1 | 19.8 | 22.2 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 3.0 | 22.6 | - | - | - |
| 123.0 | 50.0 | 0.0 | 12.0 | 0.0 | - | 6.3 | 2.9 | - | - | 45.7 | - | - |
| 123.0 | 55.0 | - | 37.6 | 2.6 | - | 5.5 | 40.2 | - | - | 36.7 | - | - |
| 123.0 | 60.0 | 0.0 | 28.3 | 12.2 | - | 26.8 | 58.7 | - | - | 142.1 | - | - |
| 123.0 | 70.0 | - | - | 8.3 | - | - | 23.1 | - | - | - | - | - |

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|-------|------|------|------|------|------|------|------|------|------|
| 123.0 | 80.0 | - | - | 2.5 | - | - | 48.0 | - | - | 17.7 | - | - |
| 127.0 | 34.0 | 7.9 | 30.5 | 0.0 | 20.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 28.2 | 22.5 | 0.0 | 27.3 | 22.2 | 6.1 | 60.5 | 86.5 | 11.3 | - | - |
| 127.0 | 45.0 | 10.0 | 0.0 | 6.1 | 14.3 | 13.9 | 3.2 | 54.1 | 15.1 | 7.6 | - | - |
| 127.0 | 50.0 | 2.6 | 0.0 | 21.1 | - | 0.0 | 37.4 | - | - | 4.3 | - | - |
| 127.0 | 55.0 | 10.4 | 6.7 | 68.5 | - | 4.6 | 77.5 | - | - | - | - | - |
| 127.0 | 60.0 | 37.4 | 3.4 | 6.0 | - | 22.2 | 26.1 | - | - | 22.8 | - | - |
| 127.0 | 70.0 | - | - | 6.1 | - | - | 0.0 | - | - | 40.0 | - | - |
| 127.0 | 80.0 | - | - | 2.7 | - | - | - | - | - | 10.8 | - | - |
| 130.0 | 30.0 | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 61.0 | 0.0 | 8.4 | 14.5 | 0.0 | 0.0 | 14.9 | 3.1 | 0.0 | - | - |
| 130.0 | 40.0 | 13.0 | 32.3 | 0.0 | 37.2 | 9.4 | 0.0 | 27.5 | 9.9 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 3.0 | 29.7 | 6.0 | - | - | - |
| 130.0 | 50.0 | 0.0 | 23.9 | 6.1 | 88.6 | 3.3 | 0.0 | - | - | 3.3 | - | - |
| 130.0 | 55.0 | - | - | 52.5 | - | 5.9 | 8.4 | - | - | - | - | - |
| 130.0 | 60.0 | 5.2 | 24.4 | 3.1 | 13.7 | 9.1 | 7.0 | - | - | 6.8 | - | - |
| 130.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 14.9 | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 29.0 | - | - | 11.6 | - | - |
| 133.0 | 25.0 | 0.0 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 9.5 | 21.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - |
| 133.0 | 35.0 | 0.0 | 32.2 | 35.8 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 6.3 | 8.6 | 17.8 | 10.6 | 2.7 | 0.0 | - | - | 3.0 | - | - |
| 133.0 | 45.0 | - | - | 8.3 | - | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 50.0 | 12.7 | 9.7 | 3.2 | 0.0 | 0.0 | 6.8 | - | - | 0.0 | - | - |
| 133.0 | 55.0 | - | - | 23.1 | - | - | - | - | - | - | - | - |
| 133.0 | 60.0 | - | - | 17.5 | - | - | - | - | - | - | - | - |
| 133.0 | 70.0 | - | - | 2.9 | - | - | - | - | - | 2.9 | - | - |
| 133.0 | 80.0 | - | - | 2.2 | - | - | - | - | - | 8.5 | - | - |
| 137.0 | 30.0 | 0.0 | 11.2 | 0.0 | 0.0 | 0.0 | - | 27.3 | 3.3 | 3.7 | - | - |
| 137.0 | 35.0 | 9.8 | 46.7 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 8.8 | 139.7 | 28.6 | - | 2.5 | 3.7 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 4.8 | - | 16.7 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | 21.4 | 3.2 | 0.0 | 0.0 | 0.0 | 6.6 | - | - | 0.0 | - | - |
| 137.0 | 60.0 | - | - | 0.0 | - | - | 18.4 | - | - | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 3.1 | - | - | 41.1 | - | - | 3.3 | - | - |
| 137.0 | 80.0 | - | - | 0.0 | - | - | 5.7 | - | - | 0.0 | - | - |
| 140.0 | 35.0 | 7.3 | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 11.4 | 12.7 | 0.0 | - | 5.6 | - | - | - | - | - | - |
| 140.0 | 45.0 | - | - | 16.0 | - | - | - | - | - | - | - | - |
| 140.0 | 50.0 | 13.5 | 0.0 | 0.0 | - | 15.3 | - | - | - | - | - | - |
| 143.0 | 30.0 | 0.0 | 0.0 | 2.5 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 0.0 | 9.8 | 2.5 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 12.3 | 11.4 | - | 3.8 | - | - | - | - | - | - |
| 143.0 | 50.0 | 6.0 | 0.0 | - | - | 31.7 | - | - | - | - | - | - |
| 147.0 | 25.0 | 10.9 | 2.6 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 30.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 147.0 35.0 | - | - | - | 5.7 | - | - | - | - | - | - | - | - |
| 147.0 40.0 | - | 0.0 | 0.0 | 14.8 | - | - | - | - | - | - | - | - |
| 148.0 20.0 | - | - | - | - | - | 5.8 | - | - | - | - | - | - |

Diogenichthys spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.0 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | 0.0 |
| 83.0 60.0 | - | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 55.0 | - | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 2.4 | 0.0 | - |
| 97.0 45.0 | - | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 6.7 | - |
| 100.0 70.0 | - | 0.0 | - | 0.0 | 34.2 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 85.0 | - | - | - | 0.0 | 0.0 | 3.1 | - | - | - | - | - | - |
| 103.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 103.0 70.0 | - | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 55.0 | - | - | - | 0.0 | 2.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 70.0 | - | 0.0 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 75.0 | - | - | - | - | 6.4 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.3 | 0.0 | 0.0 | - | - |
| 110.0 75.0 | - | - | - | - | 2.9 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 90.0 | - | 0.0 | - | 0.0 | 3.0 | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 113.0 40.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 50.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | - | - | 9.1 | - | - |
| 113.0 75.0 | - | - | - | - | 2.6 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 30.0 | 10.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 45.0 | 2.8 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 50.0 | 8.2 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 75.0 | - | - | - | - | 10.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 80.0 | - | 0.0 | 0.0 | 0.0 | 25.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |

Diogenichthys atlanticus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 67.0 90.0 | - | - | - | - | - | 9.5 | - | - | - | - | - | - |
| 70.0 52.0 | - | - | - | - | 7.0 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 80.0 | - | - | - | - | 0.0 | 0.0 | 18.3 | - | - | - | - | - |
| 77.0 90.0 | - | - | - | - | - | 0.0 | 3.0 | - | - | - | - | - |

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 3.7 | 6.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 83.0 | 60.0 | 0.0 | 0.0 | 0.0 | 2.9 | 3.4 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 65.0 | - | - | - | - | 6.3 | 0.0 | - | - | - | - | - |
| 83.0 | 90.0 | - | - | 2.3 | 0.0 | 0.0 | - | - | - | 0.0 | - | 0.0 |
| 87.0 | 50.0 | 3.0 | 0.0 | 27.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - | - |
| 87.0 | 85.0 | - | - | - | 2.8 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 9.4 | 0.0 | 4.7 | - | - | - | - | - |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 85.0 | - | - | - | 0.0 | 3.3 | 0.0 | - | - | 0.0 | - | 3.3 |
| 90.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 35.0 | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | - | - | - | - | - |
| 93.0 | 65.0 | - | - | - | 5.1 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 6.3 | - |
| 93.0 | 85.0 | - | - | - | 10.4 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 65.0 | - | - | - | 2.9 | 3.5 | 0.0 | - | - | - | - | - |
| 97.0 | 70.0 | 0.0 | - | 8.5 | 9.5 | 3.2 | 0.0 | - | - | - | 2.1 | - |
| 97.0 | 75.0 | - | - | - | 6.7 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 9.3 | - |
| 100.0 | 29.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 6.6 | 0.0 | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 5.2 | - | - | - | - | - |
| 100.0 | 70.0 | - | - | 24.6 | 0.0 | 5.6 | - | - | - | - | 8.5 | - |
| 100.0 | 75.0 | - | - | - | 6.8 | 6.1 | 0.0 | - | - | - | - | - |
| 100.0 | 80.0 | - | - | 3.4 | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 17.1 | 0.0 | - | - | - | - | - | - |
| 100.0 | 90.0 | - | - | 0.0 | 9.6 | 14.1 | - | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 6.6 | 8.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 13.8 | 22.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 7.7 | 7.7 | 0.0 | - | - | - | - | - |
| 103.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 5.1 | - | - | - | - | - |
| 103.0 | 60.0 | 9.5 | 3.0 | 3.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 6.7 | - |
| 103.0 | 75.0 | - | - | - | 2.9 | 6.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 80.0 | - | - | 3.0 | 13.7 | 6.6 | - | - | - | - | - | - |
| 103.0 | 85.0 | - | - | - | 19.4 | 3.3 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 5.4 | 10.2 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 107.0 45.0 | - | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 50.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 55.0 | - | - | - | 9.5 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 60.0 | 0.0 | 5.6 | 11.4 | 14.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.7 |
| 107.0 65.0 | - | - | - | - | 3.0 | 3.3 | 0.0 | - | - | - | - | - |
| 107.0 70.0 | - | 2.3 | 15.5 | 8.7 | 18.9 | 9.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 75.0 | - | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 107.0 80.0 | - | - | - | 0.0 | 25.5 | 3.6 | 0.0 | - | - | 0.0 | - | - |
| 110.0 50.0 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 60.0 | 0.0 | 0.0 | 0.0 | 3.9 | 3.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 70.0 | - | 0.0 | 15.5 | 6.6 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 80.0 | - | 0.0 | - | 3.3 | 12.1 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 85.0 | - | - | - | - | 2.8 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 90.0 | - | 0.0 | - | 0.0 | 12.2 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 45.0 | - | - | - | 0.0 | 2.7 | 3.2 | 0.0 | - | - | - | - | - |
| 113.0 50.0 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | - |
| 117.0 60.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.1 | - | - |
| 120.0 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |

Diogenichthys laternatus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 90.0 28.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 5.5 | 0.0 |
| 90.0 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.4 | 2.9 | 0.0 |
| 93.0 35.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.5 | 0.0 | - |
| 97.0 32.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.0 | 0.0 |
| 97.0 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.4 | - |
| 100.0 30.0 | - | - | - | - | - | - | - | - | - | - | 3.2 | - |
| 100.0 35.0 | - | - | - | - | - | - | - | - | - | - | 3.3 | - |
| 100.0 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.8 | 0.0 |
| 100.0 60.0 | 0.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 65.0 | - | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 80.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 12.0 | - |
| 103.0 55.0 | - | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 65.0 | - | - | - | - | 0.0 | 0.0 | 18.6 | - | - | - | - | - |
| 107.0 35.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | - | - | 0.0 | - | - |
| 107.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | 7.3 | - | - |
| 107.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | - | - | 91.1 | - | - |
| 107.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | - | - | 26.1 | - | 0.0 |
| 107.0 65.0 | - | - | - | - | 0.0 | 0.0 | 43.7 | - | - | - | - | - |
| 107.0 70.0 | - | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | - | 0.0 | 2.4 | 21.4 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.5 | - | 1.5 | 7.1 | 12.3 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.0 | 2.9 | 16.7 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | - | 22.7 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.6 | - | 31.2 | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | - | 16.5 | - | 60.3 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | - | - | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 142.9 | - | - | - | 25.4 |
| 110.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 75.0 | - | - | - | 0.0 | 16.2 | - | 0.0 | - | - | - | - |
| 110.0 | 80.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 2.8 | - | - |
| 110.0 | 85.0 | - | - | - | 13.9 | 0.0 | - | 6.6 | - | - | - | - |
| 110.0 | 90.0 | 0.0 | - | 6.7 | 3.0 | 0.0 | - | 3.4 | - | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 8.4 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 5.3 | 131.5 | 32.4 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 101.5 | 18.7 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 3.3 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 26.4 | - | - |
| 113.0 | 55.0 | - | - | 0.0 | 0.0 | 34.6 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 3.7 | - | - | 47.0 | - | - |
| 113.0 | 65.0 | - | - | - | 0.0 | 0.0 | 10.3 | - | - | - | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | - | - | 30.2 | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | 5.1 | 0.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 2.9 | 0.0 | 0.0 | 10.9 | - | - | 257.6 | - | - |
| 113.0 | 90.0 | - | - | - | - | 3.0 | - | - | - | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 0.0 | 6.2 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 2.8 | 8.8 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 51.4 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 5.8 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 11.6 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 43.2 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 10.4 | 0.0 | 1.4 | 10.1 | 3.2 | 19.8 | 5.8 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | - | - | 93.0 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 24.3 | 0.0 | 3.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 18.4 | 0.0 | 3.1 | 0.0 | 8.9 | - | - | 163.2 | - | - |
| 117.0 | 65.0 | - | - | - | 0.0 | 4.8 | 0.0 | - | - | - | - | - |
| 117.0 | 70.0 | 0.0 | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 35.8 | - | - |
| 117.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | 0.0 | 0.0 | 13.8 | 0.0 | - | - | 91.0 | - | - |
| 118.0 | 39.0 | - | - | 0.0 | 0.0 | 0.0 | 6.6 | - | - | 2.4 | - | - |
| 119.0 | 33.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.8 | - | - |
| 120.0 | 45.0 | - | - | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 22.4 | - | - |
| 120.0 | 50.0 | 0.0 | 5.5 | - | 5.1 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 55.0 | 5.6 | 63.5 | 0.0 | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 120.0 | 60.0 | 7.9 | 41.1 | 0.0 | 0.0 | 7.4 | 0.0 | - | - | 150.5 | - | - |

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|-------|------|-------|------|-------|------|------|-------|------|------|
| 120.0 | 65.0 | - | - | - | 24.2 | 3.4 | 10.6 | - | - | - | - | - |
| 120.0 | 70.0 | 5.9 | 0.0 | 34.3 | 11.8 | 11.5 | 6.7 | - | - | 29.3 | - | - |
| 120.0 | 75.0 | - | - | - | 7.5 | 7.0 | 10.2 | - | - | - | - | - |
| 120.0 | 80.0 | - | 0.0 | 9.1 | 15.1 | 2.3 | 0.0 | - | - | 46.9 | - | - |
| 120.0 | 85.0 | - | - | - | - | 8.5 | - | - | - | - | - | - |
| 120.0 | 90.0 | - | - | - | - | 6.1 | - | - | - | 14.9 | - | - |
| 123.0 | 37.0 | 0.0 | 10.2 | 0.0 | 3.9 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - |
| 123.0 | 42.0 | 8.3 | 24.0 | 5.8 | 24.3 | 12.3 | 6.3 | 13.2 | 9.5 | 2.9 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 21.2 | 12.9 | - | - | - |
| 123.0 | 50.0 | 5.7 | 85.7 | 0.0 | - | 15.9 | 2.9 | - | - | 20.3 | - | - |
| 123.0 | 55.0 | - | 164.7 | 0.0 | - | 30.0 | 77.3 | - | - | - | - | - |
| 123.0 | 60.0 | 2.7 | 44.4 | 9.1 | - | 17.9 | 30.9 | - | - | 45.9 | - | - |
| 123.0 | 70.0 | - | - | 12.4 | - | - | 19.8 | - | - | 108.1 | - | - |
| 123.0 | 80.0 | - | - | 12.3 | - | - | 15.0 | - | - | 35.4 | - | - |
| 127.0 | 34.0 | 2.4 | 21.0 | 6.5 | 5.8 | 0.0 | 0.0 | 2.9 | 3.4 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 147.8 | 0.0 | 16.4 | 5.5 | 12.2 | 47.0 | 90.0 | 41.6 | - | - |
| 127.0 | 45.0 | - | 110.4 | 0.0 | 10.7 | 22.2 | 6.5 | 79.8 | 7.6 | 19.1 | - | - |
| 127.0 | 50.0 | 23.7 | 42.2 | 10.6 | - | 40.3 | 46.8 | - | - | 21.7 | - | - |
| 127.0 | 55.0 | - | 41.5 | 29.8 | - | 48.7 | 19.4 | - | - | - | - | - |
| 127.0 | 60.0 | 8.5 | 56.1 | 18.1 | - | 52.8 | 8.7 | - | - | 9.8 | - | - |
| 127.0 | 70.0 | - | - | 12.2 | - | - | 0.0 | - | - | 15.4 | - | - |
| 127.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 65.0 | - | - |
| 130.0 | 35.0 | 10.6 | 357.5 | 79.8 | 58.1 | 0.0 | 0.0 | 8.9 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 92.5 | 125.3 | 11.3 | 30.7 | 12.5 | 0.0 | 24.8 | 0.0 | 173.3 | - | - |
| 130.0 | 45.0 | - | - | - | - | 8.9 | 5.9 | 8.1 | 23.9 | - | - | - |
| 130.0 | 50.0 | 17.0 | 11.9 | 52.0 | 113.6 | 10.0 | 9.2 | - | - | 36.4 | - | - |
| 130.0 | 55.0 | - | - | 72.2 | - | 26.7 | 2.8 | - | - | - | - | - |
| 130.0 | 60.0 | 48.8 | 28.8 | 15.3 | 101.4 | 0.0 | 3.5 | - | - | 27.3 | - | - |
| 130.0 | 70.0 | - | - | 2.5 | - | - | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 80.0 | - | - | 2.9 | - | - | 32.7 | - | - | 23.2 | - | - |
| 133.0 | 25.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | - | - |
| 133.0 | 30.0 | 10.6 | 28.4 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 17.6 | 0.0 | - | - |
| 133.0 | 35.0 | 14.1 | - | 23.8 | - | 0.0 | 6.8 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 26.7 | 35.9 | 71.3 | 66.3 | 10.6 | 0.0 | - | - | 6.1 | - | - |
| 133.0 | 45.0 | - | - | 55.6 | - | 2.1 | 0.0 | - | - | - | - | - |
| 133.0 | 50.0 | - | 120.8 | 76.1 | 9.4 | 3.4 | 0.0 | - | - | 27.8 | - | - |
| 133.0 | 55.0 | - | - | 34.7 | - | - | - | - | - | - | - | - |
| 133.0 | 60.0 | - | - | 8.8 | - | - | 106.1 | - | - | 32.2 | - | - |
| 133.0 | 70.0 | - | - | 14.5 | - | - | 28.8 | - | - | 28.2 | - | - |
| 133.0 | 80.0 | - | - | 2.2 | - | - | 18.8 | - | - | 12.2 | - | - |
| 137.0 | 30.0 | 0.0 | 5.6 | 0.0 | 2.8 | 0.0 | 38.0 | 39.4 | 32.9 | 14.8 | - | - |
| 137.0 | 35.0 | 0.0 | 87.6 | - | - | 2.5 | 14.2 | - | - | 36.5 | - | - |
| 137.0 | 40.0 | 57.2 | 125.1 | 19.0 | - | 18.8 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 9.6 | - | 16.3 | 3.3 | - | - | - | - | - |
| 137.0 | 50.0 | - | 0.0 | 14.7 | 4.8 | - | 6.6 | - | - | 8.8 | - | - |
| 137.0 | 55.0 | - | - | 11.6 | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|-------|-----|-------|------|------|------|------|------|------|
| 137.0 | 60.0 | - | - | 2.8 | - | - | 15.3 | - | - | 6.2 | - | - |
| 137.0 | 70.0 | - | - | 28.3 | - | - | 47.4 | - | - | 78.0 | - | - |
| 137.0 | 80.0 | - | - | 3.2 | - | - | 2.9 | - | - | 22.0 | - | - |
| 140.0 | 30.0 | - | - | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 35.0 | 4.1 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 0.0 | 11.0 | 7.6 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 8.6 | 25.4 | 175.4 | - | 30.6 | - | - | - | - | - | - |
| 140.0 | 45.0 | - | - | 41.0 | - | - | - | - | - | - | - | - |
| 140.0 | 50.0 | 91.0 | 14.5 | 20.1 | - | 168.5 | - | - | - | - | - | - |
| 140.0 | 55.0 | - | - | 7.7 | - | - | - | - | - | - | - | - |
| 140.0 | 60.0 | - | - | 26.9 | - | - | - | - | - | - | - | - |
| 140.0 | 70.0 | - | - | 28.6 | - | - | - | - | - | - | - | - |
| 140.0 | 80.0 | - | - | 2.5 | - | - | - | - | - | - | - | - |
| 143.0 | 30.0 | 0.0 | 0.0 | 9.9 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 2.1 | 19.5 | 10.1 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 18.4 | 5.7 | - | 22.6 | - | - | - | - | - | - |
| 143.0 | 50.0 | 24.1 | 0.0 | - | - | 14.1 | - | - | - | - | - | - |
| 147.0 | 20.0 | 9.3 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | 3.6 | 0.0 | 5.8 | - | - | - | - | - | - | - | - |
| 147.0 | 30.0 | 2.9 | 2.9 | 11.9 | - | - | - | - | - | - | - | - |
| 147.0 | 35.0 | - | - | 11.4 | - | - | - | - | - | - | - | - |
| 147.0 | 40.0 | 0.0 | 0.0 | 137.8 | - | - | - | - | - | - | - | - |
| 147.0 | 45.0 | - | - | 23.3 | - | - | - | - | - | - | - | - |
| 147.0 | 50.0 | - | - | 6.0 | - | - | - | - | - | - | - | - |
| 147.0 | 55.0 | - | - | 17.1 | - | - | - | - | - | - | - | - |
| 147.0 | 60.0 | - | - | 2.4 | - | - | - | - | - | - | - | - |
| 147.0 | 80.0 | - | - | 8.7 | - | - | - | - | - | - | - | - |
| 148.0 | 20.0 | - | - | - | - | 98.9 | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | - | - | 102.2 | - | - | - | - | - | - |
| 148.0 | 30.0 | - | - | - | - | 194.3 | - | - | - | - | - | - |
| 148.0 | 40.0 | - | - | - | - | 42.4 | - | - | - | - | - | - |
| 148.0 | 50.0 | - | - | - | - | 19.9 | - | - | - | - | - | - |
| 150.0 | 19.0 | 33.1 | 2.3 | - | - | - | - | - | - | - | - | - |
| 150.0 | 20.0 | - | - | 3.0 | - | - | - | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 0.0 | 265.7 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | 67.6 | - | 0.0 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 20.0 | 10.2 | - | 29.8 | - | 3.0 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 15.2 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 30.0 | 48.2 | - | 56.0 | - | 6.8 | - | - | - | - | - | - |
| 153.0 | 35.0 | - | - | 132.0 | - | - | - | - | - | - | - | - |
| 153.0 | 40.0 | 2.3 | - | 1.9 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 45.0 | - | - | 5.4 | - | - | - | - | - | - | - | - |
| 153.0 | 50.0 | - | - | 3.0 | - | - | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 16.7 | - | 26.6 | - | - | - | - | - | - |
| 157.0 | 20.0 | 52.7 | - | 46.6 | - | 83.4 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 2.9 | - | 22.2 | - | - | - | - | - | - |
| 157.0 | 30.0 | 100.0 | - | 8.2 | - | 40.6 | - | - | - | - | - | - |

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 157.0 35.0 | - | - | - | 5.4 | - | - | - | - | - | - | - | - |
| 157.0 40.0 | - | - | - | 0.0 | - | 30.8 | - | - | - | - | - | - |

Gonichthys tenuiculus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 107.0 55.0 | - | - | - | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 65.0 | - | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 110.0 65.0 | - | - | - | - | 0.0 | 2.5 | - | 4.3 | - | - | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 117.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 18.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.0 | - | - |
| 117.0 70.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 50.0 | 0.0 | 19.3 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 55.0 | 0.0 | 2.3 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 75.0 | - | - | - | - | 2.5 | 0.0 | 3.4 | - | - | - | - | - |
| 123.0 55.0 | - | 4.5 | 11.6 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 123.0 60.0 | 2.7 | 8.9 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 123.0 70.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 3.1 | - | - |
| 123.0 80.0 | - | - | - | 2.5 | - | - | 3.0 | - | - | 0.0 | - | - |
| 127.0 34.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 45.0 | - | 30.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | - | - |
| 127.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 127.0 55.0 | - | 3.5 | 0.0 | 6.0 | - | 0.0 | 3.2 | - | - | - | - | - |
| 127.0 60.0 | 0.0 | 10.7 | 3.4 | 0.0 | - | 2.8 | 0.0 | - | - | 0.0 | - | - |
| 130.0 35.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 15.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 5.3 | - | - |
| 130.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.3 | - | - |
| 130.0 55.0 | - | - | - | 6.6 | - | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 60.0 | 5.7 | 0.0 | 9.1 | 0.0 | 8.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 80.0 | - | - | - | 2.9 | - | - | 0.0 | - | - | 0.0 | - | - |
| 133.0 35.0 | 0.0 | - | 3.2 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 40.0 | 0.0 | 4.2 | 8.6 | 11.9 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 45.0 | - | - | - | 2.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 50.0 | - | 9.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 60.0 | - | - | - | 4.4 | - | - | 0.0 | - | - | 0.0 | - | - |
| 133.0 70.0 | - | - | - | 0.0 | - | - | 3.2 | - | - | 0.0 | - | - |
| 137.0 30.0 | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 35.0 | 0.0 | 0.0 | 5.8 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 40.0 | - | 15.4 | 17.5 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Gonichthys tenuiculus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 137.0 45.0 | - | - | - | 0.0 | - | 4.2 | 0.0 | - | - | - | - | - |
| 137.0 50.0 | - | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 137.0 60.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 137.0 70.0 | - | - | - | 3.1 | - | - | 0.0 | - | - | 6.5 | - | - |
| 140.0 40.0 | - | 5.7 | 6.4 | 8.2 | - | 2.8 | - | - | - | - | - | - |
| 140.0 50.0 | - | 16.9 | 2.9 | 0.0 | - | 3.8 | - | - | - | - | - | - |
| 143.0 35.0 | - | 2.1 | 0.0 | 2.5 | - | 0.0 | - | - | - | - | - | - |
| 143.0 50.0 | - | 0.0 | 0.0 | 0.0 | - | 7.0 | - | - | - | - | - | - |
| 147.0 30.0 | - | 0.0 | 2.9 | 0.0 | - | - | - | - | - | - | - | - |
| 153.0 40.0 | - | 0.0 | - | 1.9 | - | 0.0 | - | - | - | - | - | - |
| 157.0 30.0 | - | 5.9 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Hygophum spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 85.0 | - | - | - | - | 9.7 | 0.0 | - | - | - | - | - | - |
| 107.0 65.0 | - | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 117.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.5 | - | - |
| 120.0 60.0 | 0.0 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 70.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 3.1 | - | - |
| 123.0 80.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 3.0 | - | - |
| 127.0 60.0 | 0.0 | 13.4 | 0.0 | 0.0 | - | 22.2 | 0.0 | - | - | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | - | - |
| 133.0 70.0 | - | - | - | 0.0 | - | - | 9.6 | - | - | 0.0 | - | - |
| 140.0 45.0 | - | - | - | 6.8 | - | - | - | - | - | - | - | - |
| 153.0 16.0 | - | 1.8 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 157.0 20.0 | - | 7.0 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 157.0 30.0 | - | 76.4 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Hygophum atratum

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 6.7 | 0.0 | - | - | - | 0.0 | - |
| 103.0 65.0 | - | - | - | 0.0 | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | - | - |
| 110.0 45.0 | - | - | 0.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | - | - | - | - |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.1 | 0.0 | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 8.2 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 45.0 | 0.0 | 2.8 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 50.0 | 0.0 | 8.3 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 55.0 | 0.0 | 7.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Hygophum atratum (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 | 60.0 | 0.0 | 11.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.2 | 0.0 | - | - |
| 123.0 | 55.0 | 4.5 | 0.0 | 0.0 | 0.0 | 2.7 | 15.4 | - | - | - | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 6.2 | - | - | 0.0 | - | - |
| 123.0 | 70.0 | - | - | 6.2 | - | - | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 80.0 | - | - | 7.4 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.8 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 12.6 | 0.0 | 2.9 | 0.0 | 12.5 | - | 0.0 | 0.0 | - | - |
| 127.0 | 55.0 | 0.0 | 0.0 | 8.9 | - | 0.0 | 3.2 | - | - | - | - | - |
| 127.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 5.8 | - | - | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 5.7 | 3.4 | 0.0 | 5.5 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 55.0 | - | - | 6.6 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 | 60.0 | 2.6 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 6.8 | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 7.3 | - | - | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | - | 0.0 | 3.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 40.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 50.0 | 3.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.2 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 3.7 | - | - |
| 137.0 | 40.0 | 8.8 | 20.4 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 0.0 | - | 2.1 | 0.0 | - | - | - | - | - |
| 137.0 | 50.0 | 0.0 | 3.2 | 5.9 | 2.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 60.0 | - | - | 9.4 | - | - | 3.1 | - | - | 3.1 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 19.0 | - | - | 26.0 | - | - |
| 140.0 | 40.0 | 0.0 | 0.0 | 0.0 | - | 8.3 | - | - | - | - | - | - |
| 140.0 | 50.0 | 13.5 | 0.0 | 0.0 | - | 26.8 | - | - | - | - | - | - |
| 140.0 | 55.0 | - | - | 2.6 | - | 10.6 | - | - | - | - | - | - |
| 143.0 | 50.0 | 3.0 | 0.0 | - | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | 3.6 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 70.0 | - | - | 5.6 | - | - | - | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 0.0 | 25.9 | - | - | - | - | - | - | - | - |
| 153.0 | 16.0 | 0.0 | - | 2.5 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 20.0 | 0.0 | - | 6.6 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 30.0 | 0.0 | - | 9.3 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 40.0 | 0.0 | - | 5.8 | - | 0.0 | - | - | - | - | - | - |
| 153.0 | 60.0 | - | - | 2.2 | - | - | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 5.6 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 20.0 | 0.0 | - | 11.0 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |
| 157.0 | 30.0 | 0.0 | - | 2.7 | - | 5.8 | - | - | - | - | - | - |
| 157.0 | 35.0 | - | - | 5.4 | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Hygophum atratum (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 157.0 40.0 | - | - | - | 0.0 | - | 15.4 | - | - | - | - | - | - |

Hygophum reinhardtii

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 100.0 70.0 | - | 0.0 | - | 3.5 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 75.0 | - | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 100.0 80.0 | - | 0.0 | - | 0.0 | 8.7 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 90.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 3.1 | - |
| 103.0 70.0 | - | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 80.0 | - | - | - | 0.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 107.0 60.0 | 0.0 | 0.0 | 0.0 | 10.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 70.0 | - | 0.0 | 0.0 | 0.0 | 4.7 | 6.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 90.0 | - | - | - | 0.0 | 2.9 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 80.0 | - | 0.0 | - | 6.7 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 50.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 117.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.2 | - | - |
| 120.0 80.0 | - | 0.0 | 3.3 | 3.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 130.0 80.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 3.9 | - | - |
| 133.0 80.0 | - | - | - | 0.0 | - | - | 6.3 | - | - | 0.0 | - | - |

Loweina rara

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 100.0 90.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 6.2 | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 120.0 50.0 | 0.0 | 2.8 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 42.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 60.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 40.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |

Myctophum aurolaternatum

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 150.0 40.0 | - | 0.0 | 0.0 | 25.9 | - | - | - | - | - | - | - | - |
| 157.0 20.0 | - | 0.0 | - | 2.7 | - | 0.0 | - | - | - | - | - | - |
| 157.0 35.0 | - | - | - | 5.4 | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Myctophum nitidulum

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100.0 | 70.0 | - | - | 0.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 80.0 | - | - | 0.0 | 2.2 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.7 | 0.0 | - | - | - | 3.1 | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 3.4 | 2.7 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | 6.4 | - |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 6.7 | - |
| 107.0 | 55.0 | - | - | 0.0 | 4.3 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 70.0 | 0.0 | 3.1 | 8.7 | 0.0 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 0.0 | 6.2 | 0.0 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 3.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 70.0 | - | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.3 | - | 6.4 |
| 110.0 | 85.0 | - | - | - | 11.1 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 90.0 | - | - | 0.0 | 3.0 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 2.9 | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - |
| 117.0 | 80.0 | - | - | 0.0 | 0.0 | 3.5 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |

Protomyctophum crockeri

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 70.0 | - | - | - | 9.0 | 0.0 | 0.0 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 8.4 | 0.0 | - | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 3.6 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 3.9 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 4.1 | 0.0 | 4.0 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 0.0 | 6.3 | 7.1 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 4.4 | 0.0 | 0.0 | - | - | - | 12.3 | - |
| 70.0 | 80.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | 12.4 | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 0.0 | 13.7 | - | - | - | 3.2 | - |
| 73.0 | 60.0 | - | - | - | 13.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 7.8 | 3.1 | - | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 3.7 | 0.0 | 11.0 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | - | 3.1 | 0.0 | - | - | - | - | - |
| 80.0 | 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 3.1 | 0.0 |
| 80.0 | 60.0 | - | 12.1 | 0.0 | 0.0 | 0.0 | 12.9 | - | - | 2.7 | 5.9 | 0.0 |
| 80.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 6.6 |
| 80.0 | 80.0 | - | 23.2 | 0.0 | 13.0 | 12.7 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | 6.4 |
| 83.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 11.5 | - |

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.0 | 60.0 | 0.0 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.0 | 2.5 | - |
| 83.0 | 65.0 | - | - | - | - | 3.2 | 0.0 | - | - | - | - | - |
| 83.0 | 70.0 | - | 11.5 | 0.0 | 0.0 | 6.0 | 2.9 | - | - | 14.1 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 83.0 | 90.0 | - | - | 2.3 | 0.0 | 0.0 | - | - | - | 0.0 | - | 3.0 |
| 87.0 | 36.0 | - | 0.0 | 0.0 | 5.9 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 11.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 55.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.2 | 2.6 | - |
| 87.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.7 | 0.0 | - |
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 6.3 | - | - | - | 3.0 | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 3.5 | 3.0 | 0.0 | - | - | 6.4 | - | - |
| 90.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 8.2 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 5.5 | 0.0 |
| 90.0 | 60.0 | 2.9 | 0.0 | 0.0 | 27.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 3.2 |
| 90.0 | 65.0 | - | - | 0.0 | 9.4 | 0.0 | 0.0 | - | - | 0.0 | 10.1 | 3.3 |
| 90.0 | 70.0 | 0.0 | 0.0 | 5.8 | 6.6 | 3.1 | 2.6 | - | - | - | - | - |
| 90.0 | 75.0 | - | - | - | 9.8 | 0.0 | 0.0 | - | - | 3.2 | - | 3.1 |
| 90.0 | 80.0 | - | - | 0.0 | 0.0 | 6.5 | 0.0 | - | - | 0.0 | - | 5.6 |
| 90.0 | 90.0 | 0.0 | 6.3 | 0.0 | 3.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 1.5 | - |
| 93.0 | 55.0 | - | - | 4.8 | 5.8 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 13.4 | 0.0 | 0.0 | 6.2 | 0.0 | 2.3 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 5.1 | 7.3 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 2.7 | 4.0 | 3.8 | - | - | - | 3.1 | - |
| 93.0 | 75.0 | - | - | - | 0.0 | 0.0 | 7.2 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 10.4 | 0.0 | 0.0 | - | - | - | 6.3 | - |
| 93.0 | 85.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 6.9 | - |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 2.6 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | 0.0 | 5.7 | 0.0 | 2.9 | 0.0 | 0.0 | - | - | - | 7.4 | - |
| 97.0 | 50.0 | 0.0 | - | - | 0.0 | 19.7 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | 0.0 | - | 0.0 | 0.0 | 5.7 | 5.7 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 3.9 | 7.1 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | 0.0 | - | 5.7 | 4.7 | 3.2 | 0.0 | - | - | - | 2.1 | - |
| 97.0 | 70.0 | - | - | 0.0 | 3.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.1 | - |
| 97.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.5 | - | - | - | 3.3 | - |
| 100.0 | 33.0 | 0.0 | - | - | - | - | - | - | - | - | 0.0 | 0.0 |
| 100.0 | 35.0 | 0.0 | - | 0.0 | 3.7 | 3.9 | 2.7 | - | - | - | 0.0 | 0.0 |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 8.4 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | - | 0.0 | 3.4 | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 100.0 | 55.0 | - | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 6.8 | - | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100.0 | 65.0 | - | - | - | 3.0 | 2.7 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 0.0 | 3.4 | 2.8 | - | - | - | - | 0.0 | - |
| 100.0 | 80.0 | 0.0 | - | 3.4 | 0.0 | 3.5 | - | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 0.0 | 9.3 | - | - | - | - | - | - |
| 100.0 | 90.0 | 7.4 | - | 5.3 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 6.3 | 0.0 | 0.0 | 6.9 | 3.8 | 2.9 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 3.1 | 5.1 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 2.8 | 0.0 | 0.0 | 5.1 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 3.4 | 0.0 | 0.0 | 8.0 | - | - | - | 3.2 | - |
| 103.0 | 65.0 | - | - | - | 5.3 | 7.4 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 70.0 | 0.0 | 15.5 | 6.4 | 6.4 | 3.3 | 0.0 | - | - | - | - | - |
| 103.0 | 75.0 | - | - | - | 5.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 80.0 | - | - | 3.0 | 3.4 | 6.6 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 0.0 | 6.0 | - | - | - | - | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 3.2 | - | - | 0.0 | - | - |
| 107.0 | 50.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 6.4 | 6.4 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 11.3 | 11.4 | 0.0 | 8.5 | 0.0 | 0.0 | - | - | 0.0 | - | 3.7 |
| 107.0 | 65.0 | - | - | - | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | 3.1 | 0.0 | 0.0 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 0.0 | 6.4 | 0.0 | - | 0.0 | - | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 3.3 | 14.1 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 9.2 | 0.0 | - | 6.5 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | - | 0.0 | - | 7.1 | - | - |
| 110.0 | 65.0 | - | - | 19.8 | 0.0 | 2.5 | - | 0.0 | - | 6.6 | - | 6.4 |
| 110.0 | 70.0 | 0.0 | 0.0 | - | 0.0 | 3.5 | - | 0.0 | - | - | - | - |
| 110.0 | 75.0 | - | - | - | 15.1 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | 0.0 | - | 3.3 | 5.6 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 85.0 | - | - | - | 9.1 | 0.0 | - | 6.8 | - | - | - | - |
| 110.0 | 90.0 | 0.0 | - | 3.3 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 2.9 | - | - | - | - |
| 113.0 | 45.0 | - | - | 2.8 | 8.2 | 3.2 | 0.0 | - | - | 2.4 | - | - |
| 113.0 | 50.0 | 2.0 | 0.0 | 4.2 | 8.0 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 55.0 | - | - | 0.0 | 2.9 | 8.6 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 3.5 | - | - | 3.0 | - | - |
| 113.0 | 90.0 | - | - | - | 4.6 | 3.0 | 0.0 | - | - | - | - | - |
| 117.0 | 45.0 | - | - | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.8 | 3.1 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - | 2.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.2 | - | - |
| 117.0 | 80.0 | - | - | 2.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 8.4 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.5 | - | - |
| 120.0 | 80.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.2 | 2.9 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | - | 6.5 | - | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 2.5 | - | - |
| 123.0 | 55.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 123.0 | 70.0 | - | - | 0.0 | - | - | 3.3 | - | - | 6.2 | - | - |
| 123.0 | 80.0 | - | - | 2.5 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 45.0 | - | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | - | - |
| 127.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 2.9 | 0.0 | - | - | - | - | - |
| 127.0 | 55.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 2.8 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 60.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |

Symbolophorus californiensis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 67.0 | 60.0 | - | - | - | 0.0 | 7.0 | 0.0 | - | - | - | - | - |
| 67.0 | 90.0 | - | - | - | 0.0 | 6.3 | - | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 2.8 | 7.3 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | 0.0 | 0.0 | 12.2 | - | - | - | - | - |
| 80.0 | 80.0 | - | 0.0 | 18.3 | 0.0 | 6.0 | 5.2 | - | - | 0.0 | 4.6 | 0.0 |
| 80.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 13.6 | - | - | 0.0 | 0.0 | - |
| 83.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.0 | - | - |
| 83.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 83.0 | 75.0 | - | - | - | - | 0.0 | 3.5 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 3.9 | - | - | - | - | - |
| 83.0 | 85.0 | - | - | - | 3.3 | 8.8 | 2.8 | - | - | 0.0 | - | 0.0 |
| 83.0 | 90.0 | - | - | 0.0 | 0.0 | 25.9 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.0 | - | - | 2.7 | - | - |
| 87.0 | 85.0 | - | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | - | 0.0 |
| 87.0 | 90.0 | - | - | - | 9.4 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 65.0 | - | - | - | - | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 1.3 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | 3.3 |
| 93.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 3.7 | 11.2 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 3.8 | - | - | - | 3.1 | - |
| 93.0 | 75.0 | - | - | - | 2.7 | 0.0 | 3.6 | - | - | - | - | - |
| 97.0 | 50.0 | 0.0 | 5.7 | - | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 23.5 | 0.0 | 2.4 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 2.9 | 3.5 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 2.8 | 19.0 | 16.1 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | - | 30.1 | 3.1 | 0.0 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 11.1 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 0.0 | 1.9 | 3.0 | 0.0 | - | - | - | 3.1 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 6.0 | 0.0 | 3.0 | 3.1 | 0.0 | - | - | - | 3.2 | - |
| 100.0 | 65.0 | - | - | - | 6.0 | 5.4 | 5.2 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 26.4 | 75.2 | 11.2 | - | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | - | 6.8 | 9.1 | 0.0 | - | - | - | - | - |
| 100.0 | 80.0 | 0.0 | - | 30.7 | 15.2 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 13.7 | 3.1 | - | - | - | - | - | - |
| 100.0 | 90.0 | 0.0 | - | 0.0 | 0.0 | 30.9 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 2.7 | 9.8 | 26.4 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 10.3 | 87.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 0.0 | 23.2 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 7.8 | 0.0 | 12.4 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 14.0 | 0.0 | 0.0 | 5.1 | - | - | - | - | - |
| 103.0 | 60.0 | 3.0 | - | 10.2 | 3.5 | 10.1 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 29.2 | 3.7 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | 0.0 | 0.0 | 86.4 | 0.0 | 6.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 75.0 | - | - | - | 11.7 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 9.0 | 106.3 | 0.0 | - | - | - | - | 3.0 | - |
| 103.0 | 85.0 | - | - | - | 14.5 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 5.4 | 0.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 2.1 | 17.0 | 0.0 | - | - | 2.6 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.2 | 2.3 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 14.2 | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 3.0 | 0.0 | 7.5 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 9.5 | 30.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 3.8 | 7.0 | 50.9 | 10.2 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 65.0 | - | 21.8 | - | 0.0 | 9.8 | 0.0 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | - | 0.0 | 23.6 | 6.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 0.0 | 10.7 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 107.0 | 90.0 | - | - | 0.0 | 0.0 | 6.4 | 13.6 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 2.8 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.1 | 15.1 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 9.2 | 8.9 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 70.0 | 0.0 | 9.3 | 9.9 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 80.0 | - | - | 0.0 | 3.0 | 4.3 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 85.0 | - | - | - | 19.5 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 90.0 | - | - | 0.0 | 15.2 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.1 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 5.5 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 80.0 | - | - | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - |
| 117.0 | 75.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 12.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 75.0 | - | - | - | 0.0 | 0.0 | 10.2 | - | - | - | - | - |

Tarletonbeania crenularis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 55.0 | - | - | - | 4.8 | 0.0 | 0.0 | - | - | - | - | - |
| 60.0 | 70.0 | - | - | - | 9.0 | 45.4 | 0.0 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 16.7 | 52.4 | - | - | - | - | - | - |
| 60.0 | 90.0 | - | - | - | 0.0 | 16.1 | - | - | - | - | - | - |
| 63.0 | 55.0 | - | - | - | 0.0 | 0.0 | 10.1 | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 6.6 | 38.9 | 28.6 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 3.6 | 26.8 | 3.8 | - | - | - | - | - |
| 63.0 | 90.0 | - | - | - | - | 18.0 | - | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 6.9 | 12.8 | 0.0 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 14.1 | 0.0 | 10.0 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 8.2 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 4.0 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 35.2 | 0.0 | 6.2 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 0.0 | 12.5 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 26.7 | 0.0 | 4.2 | - | - | - | 0.0 | - |
| 70.0 | 80.0 | - | - | - | 6.9 | 12.8 | - | - | - | - | 0.0 | - |
| 73.0 | 50.0 | - | - | - | 0.0 | 7.1 | 0.0 | - | - | - | - | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 61.8 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 41.0 | 12.1 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 33.0 | 15.5 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 73.0 | 80.0 | - | - | - | 0.0 | 30.8 | - | - | - | - | - | - |
| 77.0 | 50.0 | - | - | - | 19.8 | 18.4 | 0.0 | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 7.5 | 3.0 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 0.0 | 6.4 | 0.0 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 59.4 | 0.0 | 0.0 | - | - | - | - | - |
| 80.0 | 55.0 | 0.0 | 5.9 | 52.1 | 0.0 | 0.0 | 11.3 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 60.0 | 0.0 | 0.0 | 9.7 | 23.5 | 5.5 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | 21.8 | 16.6 | 0.0 | 28.6 | 13.2 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | 0.0 | 17.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 90.0 | 12.2 | 0.0 | 28.9 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.0 | 47.0 | 0.0 | 0.0 | 2.7 | 9.3 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 83.0 | 43.0 | 0.0 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 83.0 | 48.0 | - | 7.6 | - | - | - | - | - | - | - | - | - |
| 83.0 | 52.0 | 0.0 | 8.1 | - | - | - | - | - | - | - | - | - |
| 83.0 | 55.0 | - | - | - | 20.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 83.0 | 60.0 | 14.0 | 5.9 | 14.9 | 0.0 | 0.0 | 10.7 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 | 80.0 | - | - | 0.0 | 5.7 | 0.0 | 0.0 | - | - | - | - | - |
| 86.0 | 46.0 | 0.0 | - | 9.8 | - | - | - | - | - | - | - | - |
| 87.0 | 40.0 | 0.0 | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 27.5 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 3.2 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 11.9 | 0.0 | 0.0 | 3.4 | - | 3.3 | 0.0 | - | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 70.0 | 0.0 | 47.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - | - |
| 87.0 | 85.0 | - | - | - | 8.3 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 3.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 5.5 | 3.6 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 40.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 60.0 | 0.0 | 11.4 | 0.0 | 0.0 | 6.3 | 2.3 | - | - | 0.0 | - | - |
| 90.0 | 65.0 | - | - | - | 0.0 | 6.2 | 0.0 | - | - | - | - | - |
| 90.0 | 70.0 | 0.0 | 11.2 | 0.0 | 6.6 | 12.6 | 0.0 | - | 0.0 | 0.0 | - | - |
| 90.0 | 75.0 | - | - | - | 3.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 80.0 | 0.0 | 11.4 | 12.4 | 0.0 | 0.0 | 2.6 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 93.0 | 27.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 93.0 | 35.0 | - | - | 0.0 | 6.2 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 2.7 | 3.1 | 0.0 | - | 0.0 | 0.0 | - | - |
| 93.0 | 45.0 | - | - | 12.4 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 50.0 | - | 24.1 | 0.0 | 4.6 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 55.0 | - | - | 0.0 | 29.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 3.2 | 11.4 | 6.2 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 5.1 | 3.7 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 32.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 0.0 | 0.0 | 4.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 | 50.0 | - | 0.0 | - | 0.0 | 3.8 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | - | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | - | 0.0 | 5.2 | 0.0 | 0.0 | - | - | - | - | - | - |
| 100.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.1 | 0.0 | - | 0.0 | - | - | - | - |

Synodus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|-------|-------|------|------|
| 100.0 | 30.0 | - | 0.0 | - | 0.0 | 0.0 | - | - | - | - | 6.4 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 112.8 | 7.9 | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 7.4 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.4 | 33.5 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 9.7 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 13.3 | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 0.0 | 24.7 | - | - | - |
| 115.0 | 30.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.9 | 15.9 | 397.3 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71.3 | 382.8 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 102.0 | 12.0 | - | - |
| 117.0 | 35.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.8 | 2.9 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 17.8 | - | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 0.0 | 67.5 | - | - | - |
| 118.5 | 30.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 140.1 | 23.4 | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.2 | 22.7 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 27.8 | 42.2 | - | - |
| 120.0 | 30.0 | 34.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 92.7 | 77.2 | - | - |
| 120.0 | 35.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 156.4 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 30.4 | 16.9 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | - | - |
| 127.0 | 40.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 14.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | - | - |
| 130.0 | 35.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | - | - |
| 130.0 | 40.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 34.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 3.0 | 6.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 25.4 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | - | - |
| 140.0 | 30.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - | - | - |
| 140.0 | 40.0 | - | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 26.0 | - | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |

TABLE 4. (cont.)

Synodus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 147.0 20.0 | - | 3.1 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 25.0 | - | 7.3 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 30.0 | - | - | 5.0 | 0.0 | - | - | - | - | - | - | - | - |
| 157.0 25.0 | - | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |

Bregmaceros spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|-------|------|------|------|------|------|------|
| 133.0 25.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 35.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 148.0 25.0 | - | - | - | - | - | 7.3 | - | - | - | - | - | - |
| 148.0 30.0 | - | - | - | - | - | 20.8 | - | - | - | - | - | - |
| 148.0 40.0 | - | - | - | - | - | 6.1 | - | - | - | - | - | - |
| 148.0 50.0 | - | - | - | - | - | 3.3 | - | - | - | - | - | - |
| 153.0 16.0 | - | 0.0 | - | 0.0 | - | 113.2 | - | - | - | - | - | - |
| 153.0 20.0 | - | 0.0 | - | 0.0 | - | 3.0 | - | - | - | - | - | - |
| 157.0 20.0 | - | 21.1 | - | 2.7 | - | 177.9 | - | - | - | - | - | - |
| 157.0 25.0 | - | - | - | 0.0 | - | 304.7 | - | - | - | - | - | - |
| 157.0 30.0 | - | 11.8 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Merluccius productus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|-------|------|-----|------|------|------|------|------|------|------|
| 67.0 60.0 | - | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 90.0 | - | - | - | - | - | 3.2 | - | - | - | - | - | - |
| 70.0 52.0 | - | - | - | - | 7.0 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 55.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 80.0 51.0 | - | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 55.0 | - | 0.0 | 212.4 | 14.9 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 60.0 | - | 0.0 | 132.9 | 0.0 | 0.0 | 5.5 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 70.0 | - | 0.0 | 0.0 | 25.8 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 80.0 | - | 0.0 | 168.2 | 9.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 80.0 90.0 | - | 0.0 | 59.2 | 5.8 | 3.7 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.0 47.0 | - | 0.0 | 11.0 | 5.4 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 40.0 | - | 0.0 | 0.0 | 15.8 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 43.0 | - | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 48.0 | - | - | 20.2 | - | - | - | - | - | - | - | - | - |
| 83.0 51.0 | - | 0.0 | - | 4.8 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 52.0 | - | 0.0 | 129.6 | - | - | - | - | - | - | - | - | - |
| 83.0 55.0 | - | - | - | - | 6.8 | 3.4 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 60.0 | - | 0.0 | 705.6 | 52.1 | 5.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 70.0 | - | - | 57.4 | 29.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 80.0 | - | - | - | 48.0 | 5.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 90.0 | - | - | - | 9.4 | 3.3 | 0.0 | - | - | - | 0.0 | - | 0.0 |

TABLE 4. (cont.)

Merluccius productus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|--------|---------|-------|------|------|------|------|------|------|------|------|
| 86.0 | 46.0 | 0.0 | - | 14.8 | - | - | - | - | - | - | - | - |
| 87.0 | 35.0 | 16.0 | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 6.0 | 8.3 | 0.0 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 40.0 | 97.9 | 11.0 | 48.6 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 87.0 | 45.0 | - | 43.7 | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 23.4 | 192.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 11.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.8 | - |
| 87.0 | 70.0 | 0.0 | 341.0 | 284.0 | 3.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 75.0 | - | - | - | 6.7 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 12.8 | 12.4 | 0.0 | - | - | - | 0.0 | - | - |
| 87.0 | 85.0 | - | - | - | 11.1 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 100.8 | 3.5 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 28.0 | 5.5 | 15.8 | 28.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 30.0 | 0.0 | 59.9 | 7.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 72.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 11.7 | 52.6 | 0.0 | 7.2 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 2.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 35.5 | 49.1 | 217.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | 17.5 | 490.2 | 87.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | 0.0 | 24718.4 | 336.4 | 3.3 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 160.2 | 12.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 976.4 | 99.3 | 6.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 27.0 | 0.0 | 14.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 30.0 | 42.7 | 23.8 | 150.0 | 2.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | - | 62.4 | 2.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 110.8 | 45.2 | 60.0 | 10.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 61.8 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 50.0 | 49.4 | 18.1 | 358.1 | 9.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 55.0 | - | - | 196.8 | 5.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 90.7 | 79.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 10.2 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 36.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | 25.4 | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 10.7 | 5.1 | 3.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 32.0 | 0.0 | - | 28.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 40.0 | 80.3 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 45.0 | - | - | 12.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 1520.0 | 393.3 | - | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 1529.3 | - | 76.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 75.9 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | - | - | 0.0 | 7.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 80.0 | - | - | 61.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 52.4 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 327.8 | 10.5 | 52.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 907.2 | 13.7 | 52.2 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 40.0 | 940.8 | 21.4 | 73.5 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |

TABLE 4. (cont.)

Merluccius productus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|---------|-------|------|------|------|------|------|------|------|------|
| 100.0 | 45.0 | - | - | 25.2 | 0.0 | 12.2 | 0.0 | - | - | - | - | - |
| 100.0 | 50.0 | - | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 17.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 3.0 | 38.7 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 90.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 884.0 | 87.9 | 0.0 | 2.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 38.0 | 0.0 | 12096.2 | 72.5 | 0.0 | 5.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 157.4 | 0.0 | 9.8 | - | - | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 232.4 | - | 17.2 | 11.5 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 5.1 | 7.7 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 947.8 | 2.7 | 3.5 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 60.0 | 0.0 | 0.0 | 0.0 | 8.0 | 3.7 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 0.0 | 3.4 | 0.0 | - | - | - | - | - |
| 103.0 | 75.0 | - | - | - | 0.0 | - | 0.0 | - | - | - | - | - |
| 107.0 | 32.0 | - | - | 38.3 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 32.5 | 8.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 15.3 | 109.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 79.5 | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 3.0 | 0.0 | 2.5 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 3.2 | 10.7 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 16.9 | 0.0 | 0.0 | 6.8 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 33.0 | - | 3633.1 | 21.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 |
| 110.0 | 35.0 | - | 1545.0 | 12.6 | 5.9 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 161.8 | 56.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 26.9 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 2.7 | 8.6 | 3.1 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 8.3 | 15.5 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 70.0 | - | 0.0 | 240.9 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 90.0 | - | 11.6 | 3.3 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 30.0 | 39.8 | 97.3 | 8.6 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 16.3 | 370.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 20.2 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 396.5 | 0.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 147.8 | 2460.8 | 19.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 619.4 | 968.7 | 0.0 | 0.0 | 0.0 | 3.6 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 53.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 50.0 | 2.6 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 119.0 | 33.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 9.1 | 160.9 | 2.5 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Merluccius productus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|------|-----|------|------|------|------|------|------|------|
| 120.0 | 30.0 | 363.3 | 108.4 | 2.1 | 0.0 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 236.3 | 142.6 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 2.8 | 125.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 21.0 | 186.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 84.5 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 60.2 | 21.9 | 9.1 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 5.3 | 6.3 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 0.0 | 6.7 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 60.0 | 0.0 | 37.5 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 30.0 | 6.4 | 64.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 558.1 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 190.5 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 55.0 | - | - | 0.0 | - | 0.0 | 2.8 | - | - | - | - | - |
| 130.0 | 60.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 92.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 37.9 | 98.3 | 19.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | - | 35.4 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 8.4 | 40.2 | 11.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 25.6 | 28.6 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 10.0 | 8.4 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 113.2 | 134.3 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 22.0 | 177.5 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 45.0 | - | - | 4.8 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | 4.8 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 30.0 | 432.5 | 8.1 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 35.0 | 355.0 | 11.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 8.6 | 15.9 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 50.0 | 20.2 | 2.9 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 26.0 | 8.3 | 0.0 | 2.6 | - | - | - | - | - | - | - | - |
| 143.0 | 30.0 | 571.2 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 33.3 | 19.5 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 147.0 | 20.0 | 12.4 | 3.1 | 6.0 | - | - | - | - | - | - | - | - |
| 147.0 | 25.0 | 47.2 | 72.5 | 11.5 | - | - | - | - | - | - | - | - |
| 147.0 | 30.0 | 0.0 | 200.1 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 40.0 | 0.0 | 3.0 | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 | 30.0 | - | 30.2 | 0.0 | - | - | - | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 2.1 | 0.0 | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Moridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 157.0 15.0 | - | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |
| 157.0 20.0 | - | 0.0 | - | 2.7 | - | 0.0 | - | - | - | - | - | - |
| 157.0 25.0 | - | - | - | 2.9 | - | 0.0 | - | - | - | - | - | - |
| 157.0 30.0 | - | 0.0 | - | 5.4 | - | 0.0 | - | - | - | - | - | - |
| 157.0 35.0 | - | - | - | 16.1 | - | - | - | - | - | - | - | - |

Physiculus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 147.0 40.0 | - | 0.0 | 0.0 | 2.5 | - | - | - | - | - | - | - | - |
| 148.0 30.0 | - | - | - | - | - | 13.9 | - | - | - | - | - | - |
| 153.0 20.0 | - | 0.0 | - | 9.9 | - | 3.0 | - | - | - | - | - | - |
| 153.0 25.0 | - | - | - | 4.3 | - | 0.0 | - | - | - | - | - | - |
| 153.0 40.0 | - | 0.0 | - | 3.8 | - | 0.0 | - | - | - | - | - | - |
| 153.0 60.0 | - | - | - | 4.3 | - | - | - | - | - | - | - | - |
| 157.0 20.0 | - | 0.0 | - | 0.0 | - | 5.6 | - | - | - | - | - | - |

Macrouridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 107.0 60.0 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 133.0 35.0 | 2.8 | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |

Ophidiiformes

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.0 50.0 | - | - | - | - | 0.0 | 6.6 | - | - | - | - | - | - |
| 70.0 52.0 | - | - | - | - | 0.0 | 14.8 | 0.0 | - | - | - | - | - |
| 70.0 55.0 | - | - | - | - | 0.0 | 0.0 | 13.7 | - | - | - | 0.0 | - |
| 73.0 50.0 | - | - | - | - | 0.0 | 0.0 | 4.8 | - | - | - | - | - |
| 77.0 50.0 | - | - | - | - | 0.0 | 18.4 | 0.0 | - | - | - | - | - |
| 77.0 55.0 | - | - | - | - | 0.0 | 6.0 | 0.0 | - | - | - | - | - |
| 77.0 60.0 | - | - | - | - | 0.0 | 6.4 | 3.6 | - | - | - | - | - |
| 77.0 70.0 | - | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 77.0 80.0 | - | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 80.0 55.0 | - | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 83.0 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 55.0 | - | 0.0 | - | 0.0 | 0.0 | 5.7 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 28.0 | - | 0.0 | 0.0 | 9.5 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 37.0 | - | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 50.0 | - | - | - | - | 2.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 55.0 | - | 0.0 | 0.0 | 0.0 | 23.1 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |

TABLE 4. (cont.)

Ophidiiformes (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 90.0 | 65.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 93.0 | 55.0 | - | - | 4.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 3.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | - | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.0 | 0.0 | - | 0.0 | 0.0 | 2.5 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | - | - |
| 115.0 | 30.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 2.8 | 0.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 13.3 | 42.1 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 3.1 | 44.1 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 9.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.1 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 3.0 | 10.2 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 31.9 | 0.0 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.0 | 35.8 | 2.6 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 5.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 6.7 | 132.9 | 23.2 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 8.5 | 35.9 | 15.9 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.6 | 3.0 | 3.3 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 8.8 | 0.0 | 0.0 | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 16.1 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 153.0 | 16.0 | - | - | 0.0 | - | 6.0 | - | - | - | - | - | - |

Brosomphycis marginata

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 | 55.0 | - | - | - | 4.8 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 52.0 | - | - | - | 8.7 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | 0.0 | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 15.4 | 0.0 | - | - | - | - | - |
| 77.0 | 50.0 | - | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 6.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Brosomphycis marginata (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 43.0 | - | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 51.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.4 | - | - | 0.0 | 0.0 | - |
| 83.0 55.0 | - | - | - | - | 0.0 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 87.0 50.0 | - | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 0.0 | - | - | 0.0 | - | - |
| 87.0 75.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 90.0 50.0 | - | - | - | - | 2.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 70.0 | - | 0.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

Chilara taylori

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 1.1 | - |
| 97.0 32.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 3.2 |
| 117.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 118.5 35.0 | - | - | - | - | - | - | - | 9.4 | - | - | - | - |
| 130.0 30.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 40.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Ophidion scrippsae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 82.0 47.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 4.7 | - |
| 87.0 36.0 | - | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | 0.0 | 2.3 | - |
| 90.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | - | 0.0 |
| 100.0 33.0 | - | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | - | - | - | - | - | - |
| 110.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.5 | - | - |
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.4 | 0.0 | - | - |
| 115.0 27.0 | - | - | - | - | - | - | - | 0.0 | 8.0 | - | - | - |
| 115.0 30.0 | - | - | - | - | - | - | - | 0.0 | 3.1 | - | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.1 | 24.1 | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 12.4 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 12.0 | 0.0 | - | - |
| 117.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 33.0 | 0.0 | - | - |
| 118.5 25.0 | - | - | - | - | - | - | - | 15.1 | 12.7 | - | - | - |
| 118.5 30.0 | - | - | - | - | - | - | - | 0.0 | 18.8 | - | - | - |
| 118.5 35.0 | - | - | - | - | - | - | - | 6.2 | - | - | - | - |
| 119.0 33.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | 31.9 | 23.8 | 2.6 | - | - |
| 120.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.7 | 12.4 | 0.0 | - | - |
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.3 | 6.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.3 | 8.9 | 0.0 | - | - |
| 120.0 45.0 | 2.8 | 2.8 | - | - | 0.0 | 0.0 | 0.0 | 2.9 | 2.8 | 0.0 | - | - |
| 123.0 42.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Ophidion scrippsae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 127.0 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 0.0 | - | - |
| 127.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - |
| 127.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 3.3 | - | - |
| 130.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.2 | 0.0 | 0.0 | - | - |
| 130.0 45.0 | - | - | - | - | - | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 133.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 51.8 | 3.0 | 0.0 | - | - |
| 133.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.3 | 0.0 | 0.0 | - | - |
| 133.0 40.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 50.0 | - | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 6.4 | 7.3 | - | - |
| 137.0 30.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 143.0 35.0 | - | 0.0 | 0.0 | 2.5 | - | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 148.0 50.0 | - | - | - | - | - | 3.3 | - | - | - | - | - | - |

Antennariidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 153.0 20.0 | - | 0.0 | - | 0.0 | - | 3.0 | - | - | - | - | - | - |

Ceratioidei

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 93.0 90.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.4 | - |
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 97.0 90.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 9.3 | - |
| 100.0 90.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 3.1 | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 107.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.3 | - | - |
| 107.0 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.2 | - | - |
| 110.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.3 | - | 0.0 |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 113.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.4 | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.1 | - | - |
| 117.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.2 | - | - |
| 130.0 70.0 | - | - | - | 0.0 | 0.0 | - | 0.0 | - | - | 3.0 | - | - |
| 137.0 70.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 3.3 | - | - |

Gobiesocidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.4 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Exocoetidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | - | - | - | 0.0 | - |
| 100.0 32.0 | - | - | - | - | - | - | 5.6 | - | - | - | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | - | - |
| 120.0 45.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 130.0 30.0 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Hemiramphidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |

Cololabis saira

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 80.0 | - | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 87.0 85.0 | - | - | - | - | 2.8 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 70.0 | - | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 5.5 | - | - | 0.0 | - | 0.0 |
| 90.0 80.0 | - | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 65.0 | - | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 100.0 80.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 3.0 | - |
| 103.0 40.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 50.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 107.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 113.0 55.0 | - | - | - | 0.0 | 2.9 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 45.0 | - | - | - | 0.0 | 0.0 | 1.3 | 0.0 | - | - | - | - | - |
| 117.0 60.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | - | - |

Atherinidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 43.0 | - | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

Trachipteridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 80.0 | - | - | - | - | 8.4 | 0.0 | - | - | - | - | - | - |
| 67.0 60.0 | - | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 80.0 | - | - | - | - | 4.0 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 60.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 3.1 | - |
| 70.0 80.0 | - | - | - | - | 6.9 | 0.0 | - | - | - | - | 0.0 | - |
| 73.0 55.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |

TABLE 4. (cont.)

Trachipteridae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 73.0 | 80.0 | - | - | - | 7.8 | 3.1 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.3 | - | - |
| 87.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 0.0 | - | - | - | 0.0 | - | - |
| 90.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.9 | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.2 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 2.8 |
| 90.0 | 85.0 | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 0.0 | 2.2 | - | - | - | - | - |
| 93.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 2.5 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 2.9 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 100.0 | 90.0 | 3.7 | - | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | - | 0.0 | - |
| 107.0 | 65.0 | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 70.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.1 | 0.0 | - | 0.0 | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.0 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.3 | - | - |

Melamphaes spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.0 | 60.0 | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 8.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 4.4 | 0.0 | 0.0 | - | - | - | 2.5 | - |
| 70.0 | 80.0 | - | - | - | 3.5 | 0.0 | - | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 77.0 | 70.0 | - | - | - | 0.0 | 11.5 | 0.0 | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | - | 3.1 | 0.0 | - | - | - | - | - |
| 80.0 | 55.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 60.0 | 0.0 | 12.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | 0.0 | 0.0 | 25.8 | 14.3 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 0.0 | 17.8 | 5.8 | 14.6 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 83.0 | 60.0 | 0.0 | 11.8 | 0.0 | 2.9 | 0.0 | 0.0 | - | - | 0.0 | 2.5 | - |
| 83.0 | 65.0 | - | - | - | - | 6.3 | 0.0 | - | - | - | - | - |
| 83.0 | 70.0 | - | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 0.0 | 6.5 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 85.0 | - | - | - | - | 2.9 | 0.0 | - | - | - | - | - |
| 83.0 | 90.0 | - | - | 7.0 | 0.0 | 5.9 | - | - | - | 0.0 | - | 0.0 |
| 87.0 | 50.0 | 0.0 | 11.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Melamphaes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 87.0 | 55.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 2.4 | 0.0 | - |
| 87.0 | 70.0 | 0.0 | 11.8 | 0.0 | 3.3 | 3.0 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 75.0 | - | - | - | 6.7 | 3.0 | 0.0 | - | - | - | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 0.0 | - | - | - | 3.2 | - | - |
| 87.0 | 85.0 | - | - | - | 11.1 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 6.9 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 30.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 60.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 9.4 | 0.0 | 2.6 | - | - | - | - | - |
| 90.0 | 70.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 3.3 | 0.0 | 0.0 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 0.0 | 12.4 | 0.0 | 3.3 | 0.0 | - | - | 0.0 | - | 2.8 |
| 90.0 | 90.0 | 0.0 | 6.3 | 6.6 | 0.0 | 6.7 | 5.3 | - | - | 0.0 | - | 6.5 |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 3.1 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 4.8 | 5.8 | 3.3 | 3.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 22.8 | 3.1 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 20.5 | 3.7 | 2.2 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.4 | 4.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 5.4 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 93.0 | 80.0 | - | - | - | 5.4 | 0.0 | 7.8 | - | - | - | - | - |
| 93.0 | 85.0 | - | - | - | 6.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 90.0 | - | - | 0.0 | 6.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 11.4 | - | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 11.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 5.8 | - | 0.0 | 2.4 | 3.2 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | - | 3.3 | 3.1 | 0.0 | - | - | - | 3.3 | - |
| 97.0 | 80.0 | - | - | 0.0 | 3.5 | 0.0 | 2.8 | - | - | - | - | - |
| 97.0 | 85.0 | - | - | - | 6.0 | 0.0 | 2.5 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | - | - | - | - | 0.0 | 0.0 |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | - | - |
| 100.0 | 45.0 | - | - | 3.2 | 0.0 | 0.0 | 2.9 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 4.8 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 9.7 | 3.0 | 6.2 | 0.0 | - | - | - | - | - |
| 100.0 | 65.0 | - | - | - | 12.0 | 8.1 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 3.5 | 10.3 | 2.8 | - | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | 6.8 | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 100.0 | 80.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 0.0 | 3.1 | - | - | - | - | - | - |
| 100.0 | 90.0 | 7.4 | - | 0.0 | 9.6 | 8.4 | 0.0 | - | - | - | 3.1 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 6.6 | 8.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 3.1 | 2.6 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Melamphaes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 103.0 | 50.0 | 0.0 | 0.0 | 8.0 | 2.6 | 3.3 | 2.5 | - | - | - | 3.4 | 0.0 |
| 103.0 | 55.0 | - | - | 2.8 | 3.6 | 6.5 | 12.8 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 3.5 | 6.7 | 8.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 10.6 | 0.0 | 2.7 | - | - | - | - | - |
| 103.0 | 70.0 | - | 12.4 | 0.0 | 3.2 | 0.0 | 3.1 | - | - | - | 0.0 | - |
| 103.0 | 75.0 | - | - | - | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 0.0 | 17.1 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 4.8 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 0.0 | 5.4 | 0.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 4.2 | 13.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 6.7 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 6.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 0.0 | 6.4 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 3.8 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 3.0 | 3.3 | 6.7 | - | - | - | - | - |
| 107.0 | 70.0 | - | 0.0 | 2.2 | 0.0 | 3.2 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 2.1 | 3.1 | 3.3 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 0.0 | 3.6 | 0.0 | - | - | 3.2 | - | - |
| 107.0 | 85.0 | - | - | - | 0.0 | 12.8 | 0.0 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 2.8 | 2.9 | 0.0 | 0.0 | - | 0.0 | - | - | - |
| 110.0 | 35.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 110.0 | 50.0 | 5.5 | 7.5 | 0.0 | 9.2 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 3.9 | 0.0 | 6.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 | 70.0 | 0.0 | 0.0 | 3.3 | 2.7 | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 |
| 110.0 | 75.0 | - | - | - | 0.0 | 0.0 | - | 3.7 | - | - | - | - |
| 110.0 | 80.0 | - | - | 0.0 | 3.0 | 5.9 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 90.0 | - | - | 3.3 | 0.0 | 0.0 | - | 6.8 | - | - | - | - |
| 113.0 | 40.0 | - | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 3.1 | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | - | 2.4 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 113.0 | 70.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | 2.5 | 0.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 117.0 | 40.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 60.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 2.0 | - | - |
| 117.0 | 70.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 75.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | 0.0 | 5.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 120.0 | 75.0 | - | - | - | 2.5 | 0.0 | 3.4 | - | 0.0 | - | - | - |
| 120.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 90.0 | - | - | - | - | 0.0 | - | - | - | 3.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 6.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Melamphaes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 130.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.8 | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 7.3 | - | - | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | - | - |
| 133.0 | 45.0 | - | - | 2.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 133.0 | 70.0 | - | - | 0.0 | - | 2.5 | 0.0 | - | - | 2.8 | - | - |
| 137.0 | 40.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 45.0 | - | - | 2.3 | - | - | - | - | - | - | - | - |
| 140.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 7.7 | - | - | - | - | - | - |
| 143.0 | 35.0 | 2.1 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 150.0 | 40.0 | 2.3 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 0.0 | - | 4.9 | - | - | - | - | - | - |

Poromitra spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 52.0 | - | 5.4 | - | - | - | - | - | - | - | - | - |
| 83.0 | 90.0 | - | - | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - | 0.0 |
| 93.0 | 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 97.0 | 65.0 | - | - | - | 5.8 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 70.0 | - | - | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 70.0 | - | - | 0.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 70.0 | - | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 55.0 | - | - | 0.0 | 4.3 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 75.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 110.0 | 80.0 | - | - | 0.0 | 3.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 85.0 | - | - | - | 5.6 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 0.0 | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.4 | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 75.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 137.0 | 45.0 | - | - | 0.0 | - | 2.1 | 0.0 | - | - | - | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 3.2 | - | - | 3.3 | - | - |

Scopelogadus bispinosus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 52.0 | - | 5.4 | - | - | - | - | - | - | - | - | - |

TABLE 4. (cont.)

Scopelogadus bispinosus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 2.3 | - |
| 83.0 | 60.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 80.0 | - | - | 0.0 | 5.7 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 87.0 | 55.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 2.4 | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | - | 0.0 | 0.0 | 11.4 | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | - | - | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 100.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 103.0 | 60.0 | 3.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 65.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 0.0 | 2.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 85.0 | - | - | - | 3.6 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 110.0 | 70.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 120.0 | 80.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.3 | - | - |
| 157.0 | 20.0 | 0.0 | - | 2.7 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 30.0 | 5.9 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Macroramphosus gracilis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.1 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |

Syngnathus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.2 |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.5 | - |
| 100.0 | 32.0 | - | - | - | - | - | 2.8 | - | - | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Agonidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 77.0 | 50.0 | - | - | - | 6.6 | 0.0 | 0.0 | - | - | - | - | - |
| 83.0 | 40.0 | - | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 37.0 | 0.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 | 30.0 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 11.6 | 0.0 | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 4.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Cottidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 55.0 | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 73.0 | 60.0 | - | - | - | 0.0 | 12.1 | 0.0 | - | - | - | 0.0 | - |
| 77.0 | 50.0 | - | - | - | 6.6 | 0.0 | 0.0 | - | - | - | - | - |
| 82.0 | 47.0 | 0.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 48.0 | - | 40.3 | - | - | - | - | - | - | - | - | - |
| 83.0 | 51.0 | - | - | 14.5 | 0.0 | 0.0 | 2.4 | - | - | 3.0 | 0.0 | - |
| 87.0 | 36.0 | - | 0.0 | 0.0 | 0.0 | - | 2.6 | - | - | 2.9 | 0.0 | - |
| 87.0 | 50.0 | - | 81.8 | 0.0 | 1.8 | 5.8 | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 27.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 0.0 | - | - | 0.0 | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | - | 6.6 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 4.5 | 0.0 | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 1.7 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Scorpaenichthys marmoratus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.9 | 0.0 |
| 80.0 | 70.0 | - | 21.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 87.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Cyclopteridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 60.0 | - | - | - | - | 4.7 | 0.0 | 0.0 | - | - | - | - | - |
| 77.0 70.0 | - | - | - | - | 0.0 | 11.5 | 0.0 | - | - | - | - | - |
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Hexagrammidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 30.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

Ophiodon elongatus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 97.0 30.0 | - | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

Oxylebius pictus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 51.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 2.5 |
| 93.0 50.0 | - | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 1.5 | - |
| 120.0 45.0 | 2.8 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

zaniolepis spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 43.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.5 | 0.0 | - |
| 123.0 37.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Scorpaenidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 157.0 15.0 | - | - | - | 0.0 | - | 6.6 | - | - | - | - | - | - |

Scorpaena spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 110.0 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 60.9 | 0.0 | 0.0 | - | - |
| 110.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 9.7 | - | - | - | - |
| 110.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | - | 0.0 | - | - |
| 110.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 16.5 | - | - | - | - |

TABLE 4. (cont.)

Scorpaena spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|-------|-------|------|------|------|------|
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 13.0 | - | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 0.0 | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 0.0 | 6.2 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 11.7 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 3.1 | 0.0 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 11.3 | - | - | - |
| 119.0 | 33.0 | - | - | - | - | - | - | 0.0 | 0.0 | - | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 387.6 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 12.9 | 0.0 | 3.1 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 123.4 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108.4 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | - | - | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 2.5 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 10.4 | 3.8 | - | - |
| 127.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.3 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 10.8 | 0.0 | - | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 0.0 | 0.0 | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - |

Sebastes spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|-------|-------|------|------|------|------|------|
| 60.0 | 50.0 | - | - | - | 18.4 | 0.0 | - | - | - | - | - | - |
| 60.0 | 55.0 | - | - | - | 34.0 | 12.1 | 81.1 | - | - | - | - | - |
| 60.0 | 60.0 | - | - | - | 70.9 | 3.1 | 45.5 | - | - | - | - | - |
| 60.0 | 70.0 | - | - | - | 13.6 | 45.4 | 72.2 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 0.0 | 46.6 | - | - | - | - | - | - |
| 63.0 | 52.0 | - | - | - | 78.5 | 152.5 | 21.1 | - | - | - | - | - |
| 63.0 | 55.0 | - | - | - | 110.0 | 254.8 | 101.2 | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 33.2 | 142.6 | 42.8 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 26.8 | 48.9 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 0.0 | 3.7 | 9.0 | - | - | - | - | - |
| 67.0 | 50.0 | - | - | - | 23.0 | 105.0 | - | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 0.0 | 44.7 | 139.9 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 45.8 | 42.0 | 16.7 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 12.4 | 0.0 | 8.0 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 0.0 | 3.2 | 6.5 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 70.4 | 0.0 | 87.4 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 17.2 | 18.8 | 7.1 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 66.8 | 35.8 | 4.2 | - | - | - | 0.0 | - |
| 70.0 | 90.0 | - | - | - | 3.3 | 5.5 | - | - | - | - | - | - |
| 73.0 | 50.0 | - | - | - | 18.2 | 21.3 | 4.8 | - | - | - | - | - |

TABLE 4. (cont.)

Sebastes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|--------|-------|--------|-------|-------|------|------|------|------|-------|-------|
| 73.0 | 51.0 | - | - | - | - | - | - | - | - | - | 27.1 | - |
| 73.0 | 55.0 | - | - | - | 37.3 | 123.5 | 41.0 | - | - | - | 19.0 | - |
| 73.0 | 60.0 | - | - | - | 123.1 | 60.4 | 6.4 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 0.0 | 18.6 | 29.8 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 0.0 | 18.5 | - | - | - | - | - | - |
| 77.0 | 50.0 | - | - | - | 33.0 | 0.0 | 3.3 | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 75.2 | 83.7 | 3.3 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 112.6 | 19.2 | 43.0 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 0.0 | 0.0 | 18.9 | - | - | - | - | - |
| 80.0 | 51.0 | 2868.4 | 9.1 | 34.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 17.7 |
| 80.0 | 55.0 | 228.7 | 94.4 | 267.8 | 10.8 | 0.0 | 34.0 | - | - | 11.8 | 33.7 | 273.0 |
| 80.0 | 60.0 | 638.8 | 24.2 | 67.8 | 0.0 | 22.1 | 32.2 | - | - | 2.7 | 26.5 | 33.0 |
| 80.0 | 70.0 | 21.8 | 0.0 | 0.0 | 57.1 | 13.2 | 0.0 | - | - | 0.0 | 2.8 | 26.6 |
| 80.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.2 |
| 82.0 | 47.0 | 32.0 | 49.5 | 113.4 | 251.6 | 6.6 | 39.6 | - | - | 0.0 | 18.7 | - |
| 83.0 | 40.0 | 66.7 | 6.2 | 7.9 | 0.0 | 0.0 | 2.3 | - | - | 0.0 | 4.5 | - |
| 83.0 | 43.0 | 143.5 | 8.5 | 66.0 | 20.2 | 2.6 | 6.4 | - | - | 10.6 | 28.3 | - |
| 83.0 | 48.0 | - | 216.7 | - | - | - | - | - | - | - | - | - |
| 83.0 | 51.0 | 1482.6 | 321.3 | 207.3 | 65.6 | 39.0 | 17.0 | - | - | 6.1 | 33.2 | - |
| 83.0 | 52.0 | 400.9 | - | - | - | 0.0 | - | - | - | - | - | - |
| 83.0 | 55.0 | - | 0.0 | 59.5 | 108.8 | 24.0 | 11.4 | - | - | 0.0 | 0.0 | - |
| 83.0 | 60.0 | 14.0 | - | - | 5.8 | 3.2 | 26.8 | - | - | 0.0 | 0.0 | - |
| 83.0 | 65.0 | - | - | - | - | 41.6 | 0.0 | - | - | - | - | - |
| 83.0 | 75.0 | - | - | - | - | 12.9 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 11.4 | 0.0 | - | - | - | 0.0 | - | 3.0 |
| 83.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - | - |
| 86.0 | 46.0 | 49.1 | - | 191.9 | - | - | - | - | - | - | - | - |
| 87.0 | 35.0 | 69.4 | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 156.5 | 140.8 | 41.4 | - | 0.0 | - | - | 2.9 | 4.5 | - |
| 87.0 | 38.0 | 60.6 | - | - | - | - | - | - | - | - | - | - |
| 87.0 | 40.0 | 146.9 | 287.0 | 48.6 | 70.1 | 24.2 | - | - | - | 0.0 | 3.9 | - |
| 87.0 | 45.0 | - | 68.6 | - | 306.2 | 28.6 | 0.0 | - | - | 3.1 | 3.5 | - |
| 87.0 | 50.0 | 270.3 | 502.2 | 1596.2 | 25.6 | 121.4 | 7.1 | - | - | 22.3 | 190.6 | - |
| 87.0 | 55.0 | 20.3 | - | - | 6.5 | 56.8 | 5.7 | - | - | 4.8 | 23.3 | - |
| 87.0 | 60.0 | 225.6 | 0.0 | 47.7 | 131.0 | 52.5 | 5.4 | - | - | 3.3 | 34.5 | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 83.1 | 10.2 | - | - | - | - | - |
| 87.0 | 70.0 | 0.0 | 11.8 | 22.7 | 0.0 | 142.6 | 56.3 | - | - | 0.0 | - | - |
| 87.0 | 75.0 | - | - | 25.5 | 0.0 | 23.6 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 80.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 87.0 | 85.0 | - | - | - | 13.9 | 0.0 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 3.5 | 9.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 28.0 | 98.6 | 240.8 | 61.6 | 2.7 | 7.9 | 28.0 | - | - | 0.0 | 0.0 | 36.3 |
| 90.0 | 30.0 | 50.1 | 432.9 | 109.8 | 3.8 | 15.8 | 0.0 | - | - | 0.0 | 2.9 | 3.6 |
| 90.0 | 37.0 | 0.0 | 72.2 | 136.4 | 12.7 | 12.8 | 0.0 | - | - | 6.7 | 0.0 | 0.0 |
| 90.0 | 45.0 | 436.6 | 17.5 | 171.1 | 5.4 | 28.6 | 9.4 | - | - | 0.0 | 8.8 | 22.5 |

TABLE 4. (cont.)

Sebastes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|-------|--------|-------|------|------|------|------|------|-------|
| 90.0 | 50.0 | - | - | - | 177.3 | 7.2 | 0.0 | - | - | 55.8 | 13.8 | 212.3 |
| 90.0 | 53.0 | - | - | - | - | - | - | - | - | 32.6 | - | - |
| 90.0 | 55.0 | 0.0 | 0.0 | 298.3 | 1017.3 | 56.0 | 9.4 | - | - | - | 30.3 | 0.0 |
| 90.0 | 60.0 | 17.5 | 17.1 | 11.7 | 0.0 | 94.5 | 18.7 | - | - | 10.1 | 0.0 | 0.0 |
| 90.0 | 65.0 | - | - | - | 9.4 | 84.0 | 5.2 | - | - | - | - | - |
| 90.0 | 70.0 | 0.0 | 0.0 | 63.8 | 0.0 | 116.2 | 5.5 | - | - | 0.0 | - | 0.0 |
| 90.0 | 75.0 | - | - | - | 0.0 | 45.0 | 4.8 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 57.2 | 0.0 | 0.0 | 3.3 | 30.8 | - | - | 0.0 | - | 2.8 |
| 90.0 | 85.0 | - | - | - | 0.0 | 0.0 | 3.2 | - | - | - | - | - |
| 90.0 | 90.0 | 0.0 | 0.0 | 19.9 | 12.1 | 3.3 | 0.0 | - | - | 0.0 | - | 3.3 |
| 93.0 | 27.0 | 149.2 | 192.4 | 18.8 | 18.0 | 0.0 | 0.0 | - | - | 0.0 | 11.2 | - |
| 93.0 | 30.0 | 26.7 | 77.2 | 68.2 | 8.1 | 0.0 | 8.1 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | - | 51.4 | 27.0 | 18.5 | 0.0 | - | - | 4.5 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 6.5 | 200.0 | 18.8 | 3.1 | 2.9 | - | - | 5.7 | 2.7 | - |
| 93.0 | 45.0 | - | - | 407.9 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 86.5 | 276.9 | 671.4 | 18.2 | 3.4 | 2.8 | - | - | - | 3.0 | - |
| 93.0 | 55.0 | - | - | 513.6 | 179.8 | 3.3 | 3.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 13.4 | 19.4 | 57.0 | 15.4 | 14.8 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 66.6 | 36.7 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 151.8 | 7.9 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 85.0 | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 90.0 | 61.4 | - | 0.0 | 12.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 485.8 | 134.6 | 102.6 | 6.5 | 8.0 | - | - | - | 8.4 | - |
| 97.0 | 32.0 | 0.0 | - | 56.6 | 22.3 | 0.0 | 2.2 | - | - | - | 19.6 | 85.3 |
| 97.0 | 35.0 | - | - | - | - | - | - | - | - | - | 3.5 | - |
| 97.0 | 40.0 | 0.0 | 89.9 | 0.0 | 3.9 | 3.0 | 0.0 | - | - | - | 2.5 | - |
| 97.0 | 45.0 | - | - | 61.4 | 2.6 | 0.0 | 8.2 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 0.0 | - | 5.7 | 0.0 | 13.3 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 142.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 25.9 | - | 12.8 | 0.0 | 9.1 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 0.0 | 3.5 | 0.0 | - | - | - | - | - |
| 97.0 | 70.0 | 0.0 | - | 8.5 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 90.0 | - | - | 0.0 | 7.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 271.2 | 34.9 | 52.4 | 9.0 | 11.9 | 0.0 | - | - | - | 6.4 | - |
| 100.0 | 30.0 | - | - | - | - | - | - | - | - | - | - | - |
| 100.0 | 33.0 | 89.6 | 3.4 | 83.5 | 25.6 | 6.0 | 0.0 | - | - | - | 0.0 | 26.6 |
| 100.0 | 40.0 | 67.2 | 0.0 | 44.1 | 88.8 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 45.0 | - | - | 6.3 | 5.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 0.0 | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 17.2 | 13.7 | 6.6 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 101.6 | 32.8 | 3.1 | 0.0 | - | - | - | - | - |
| 100.0 | 85.0 | - | - | - | 0.0 | 6.2 | - | - | - | - | - | - |
| 103.0 | 30.0 | 190.4 | 38.1 | 82.9 | 13.6 | 16.6 | 1.6 | - | - | - | 7.9 | - |
| 103.0 | 35.0 | 61.1 | 8.7 | 0.0 | 6.6 | 0.0 | 3.2 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 20.5 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont..)

Sebastes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 18.2 | 3.3 | 0.0 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | 46.6 | 132.8 | 31.9 | 27.7 | - | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | 0.0 | 0.0 | 243.8 | 4.2 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 2.9 | 0.0 | 26.6 | 6.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 70.0 | - | 46.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 33.0 | - | 58.5 | 0.0 | 8.3 | 6.4 | - | 12.4 | 2.4 | 9.1 | - | - |
| 110.0 | 35.0 | - | 431.7 | 6.3 | 11.8 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 49.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 32.9 | 15.3 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 2.9 | 9.2 | 0.0 | - | 3.3 | - | 0.0 | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 3.2 | 10.4 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 66.8 |
| 110.0 | 70.0 | - | 0.0 | 9.9 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 113.0 | 30.0 | 69.7 | 163.0 | 25.8 | 9.3 | 1.8 | 8.3 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 8.2 | 228.2 | 0.0 | 0.0 | 2.7 | 7.9 | 0.0 | 3.1 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 14.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 0.0 | 3.2 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 65.0 | - | - | 0.0 | 5.4 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 26.0 | 132.2 | 0.0 | 8.5 | 6.7 | 0.0 | 0.0 | 0.0 | 8.0 | 3.0 | - | - |
| 117.0 | 30.0 | 573.1 | 110.9 | 26.9 | 23.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 248.4 | 69.0 | 11.3 | 8.3 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 42.7 | 29.8 | 10.4 | 43.5 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 32.1 | 1.3 | 0.0 | - | - | - | - | - |
| 117.0 | 50.0 | 7.9 | 343.2 | 0.0 | 8.4 | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 24.3 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 24.6 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | 76.5 | 10.8 | 27.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 9.6 | 0.0 | - | - | - |
| 119.0 | 33.0 | - | 136.1 | 0.0 | 5.4 | 11.0 | 10.3 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 29.8 | 6.0 | 2.5 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 4.9 | 84.3 | 0.0 | 0.0 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 1.5 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 5.6 | - | - | 10.1 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | - | 23.1 | 13.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | - | 21.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 123.0 | 37.0 | 32.3 | 418.0 | 0.0 | 33.3 | 6.5 | 2.9 | 0.0 | 3.4 | 0.0 | - | - |
| 123.0 | 42.0 | 11.1 | 47.8 | 0.0 | 2.7 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Sebastes spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|-------|------|------|------|------|------|------|------|------|
| 123.0 | 50.0 | 0.0 | 0.0 | 19.9 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 55.0 | 0.0 | 0.0 | 7.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 123.0 | 60.0 | 4.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 34.0 | 7.9 | 91.5 | 4.9 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | - | - |
| 127.0 | 40.0 | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 6.1 | 6.7 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 0.0 | 21.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 6.3 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 60.0 | 0.0 | 3.4 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 32.0 | 5.2 | 2.9 | 0.0 | 0.0 | 0.0 | 5.1 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 24.2 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 5.8 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.9 | - | - |
| 133.0 | 25.0 | 0.0 | 10.2 | 0.0 | 9.3 | 0.0 | 10.9 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 19.0 | 32.8 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 | 3.5 | 0.0 | - | - |
| 133.0 | 35.0 | - | 0.0 | 169.9 | - | 9.5 | 3.4 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 0.0 | 6.3 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 5.6 | 13.2 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 87.6 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 0.0 | 20.4 | 9.5 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | 0.0 | 3.2 | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 35.0 | 0.0 | 11.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | 0.0 | 0.0 | 4.1 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 0.0 | 0.0 | 2.5 | - | 0.0 | - | - | - | - | - | - |

Sebastolobus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 73.0 | 80.0 | - | - | - | 0.0 | 3.1 | - | - | - | - | - | - |
| 82.0 | 47.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 80.0 | - | - | 0.0 | 2.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 93.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |

Prionotus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 3.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 3.8 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | 2.6 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 23.2 | - | - |

TABLE 4. (cont.)

Prionotus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|-------|-------|-------|------|------|
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 9.0 | 20.4 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 8.1 | 5.9 | 0.0 | - | - |
| 123.0 | 42.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 382.3 | 36.1 | 30.2 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.7 | 77.7 | 2.7 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 451.2 | 753.5 | 461.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 358.6 | 0.0 | - | - |
| 157.0 | 25.0 | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |
| 157.0 | 35.0 | - | - | 2.7 | - | - | - | - | - | - | - | - |

Blennioidei

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 90.0 | 50.0 | - | - | - | 2.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 100.0 | 29.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

Hypsoblennius spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 1.3 | 0.0 | - |
| 83.0 | 43.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | - | - | 0.0 | 0.0 | - |
| 90.0 | 37.0 | - | 0.0 | 0.0 | 0.0 | 12.8 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 100.0 | 32.0 | - | - | - | - | - | 14.1 | - | - | - | - | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | - | - | - | 0.0 | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 3.8 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | 0.0 | 0.0 | - | - | 9.1 | 3.2 | - | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.9 | - | - | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 8.6 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 0.0 | 6.5 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | - | - |

TABLE 4. (cont.)

Clinidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 48.0 | - | 22.7 | - | - | - | - | - | - | - | - | - |
| 87.0 | 50.0 | - | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 | 30.0 | 5.3 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | - | 0.0 | 12.8 | 0.0 | - | 0.0 | - | - | - | - | - |
| 110.0 | 35.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 4.7 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 157.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | - | - | - | - |
| | | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |

Gobiidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 63.0 | 52.0 | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 67.0 | 50.0 | - | - | - | 0.0 | 13.1 | - | - | - | - | - | - |
| 73.0 | 55.0 | - | - | - | 6.2 | 15.4 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 80.0 | 51.0 | 39.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 55.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 82.0 | 47.0 | 0.0 | 0.0 | 5.4 | 18.6 | 0.0 | 2.6 | - | - | 0.0 | 4.7 | - |
| 83.0 | 43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 5.7 | - |
| 83.0 | 48.0 | - | 10.1 | - | - | - | - | - | - | - | - | - |
| 83.0 | 51.0 | 18.1 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 3.3 | - |
| 83.0 | 52.0 | 0.0 | 2.7 | - | - | - | - | - | - | - | - | - |
| 86.0 | 46.0 | 0.0 | - | 14.8 | - | - | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 40.0 | 0.0 | 11.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 3.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 11.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 70.0 | 0.0 | 0.0 | 11.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 87.0 | 90.0 | - | 35.3 | 0.0 | 3.5 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 30.0 | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 0.0 | 13.2 | 0.0 | 0.0 | 0.0 | - | - | 1.3 | 0.0 | 0.0 |
| 90.0 | 60.0 | 2.9 | 0.0 | 2.9 | 0.0 | 6.3 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 11.4 | 0.0 | 10.3 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 14.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | 0.0 | 14.4 | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Gobiidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97.0 45.0 | - | - | - | 6.1 | 5.2 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 50.0 | - | 0.0 | 0.0 | - | 2.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 90.0 | - | - | - | 0.0 | 1.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 32.0 | - | - | - | - | - | - | 2.8 | - | - | - | - | - |
| 100.0 40.0 | - | 22.4 | - | - | 3.7 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 50.0 | - | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.6 | - |
| 107.0 32.0 | 0.0 | - | 10.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - |
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.4 | 3.0 | - | - |
| 110.0 35.0 | - | 24.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 40.0 | 0.0 | 0.0 | 0.0 | 7.1 | 11.7 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 65.0 | - | - | - | - | 0.0 | 0.0 | - | 13.0 | - | - | - | - |
| 110.0 80.0 | - | 0.0 | - | 0.0 | 0.0 | 5.9 | - | 0.0 | - | 0.0 | - | - |
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 2.8 | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 117.0 26.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 2.4 | - | - |
| 117.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | - | - |
| 118.0 39.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.4 | - | - |
| 118.5 25.0 | - | - | - | - | - | - | - | 0.0 | 2.5 | - | - | - |
| 118.5 35.0 | - | - | - | - | - | - | - | 3.1 | - | - | - | - |
| 119.0 33.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 14.2 | 38.4 | 3.3 | - | - |
| 123.0 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 3.4 | 5.4 | - | - |
| 123.0 42.0 | 0.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.9 | - | - | - | - | - |
| 127.0 40.0 | 0.0 | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | - | - |
| 133.0 25.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | - | - |
| 137.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 14.8 | - | - |
| 140.0 40.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - |
| 157.0 25.0 | - | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |

Labridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 0.0 | 0.0 |
| 80.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | - | - | 0.0 | 0.0 | 0.0 |
| 82.0 47.0 | - | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 51.0 | - | 0.0 | - | 4.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Labridae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 87.0 | 55.0 | 0.0 | - | - | 0.0 | 5.7 | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 60.0 | 0.0 | 0.0 | 0.0 | 27.4 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 27.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.8 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 24.7 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 44.8 | 13.7 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 4.8 | 223.0 | 0.0 | 3.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | - | - | - | 0.0 | - |
| 97.0 | 32.0 | 0.0 | - | 11.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 13.0 | 59.2 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.4 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 8.5 | 3.0 | - | - | - | - | 0.0 | 0.0 |
| 100.0 | 40.0 | 0.0 | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 6.6 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 70.0 | 0.0 | - | 0.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 1.6 | - | - | - | 0.0 | 0.0 |
| 103.0 | 50.0 | 0.0 | 0.0 | 2.7 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.6 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.5 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.9 | 2.8 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.8 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 2.9 | - | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 2.9 | 3.1 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 19.2 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 118.0 | 39.0 | - | - | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 2.4 | - | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 0.0 | 2.5 | - | - | - |
| 119.0 | 33.0 | - | - | 0.0 | 0.0 | 0.0 | 20.6 | 5.8 | 8.9 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 5.9 | 3.2 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.3 | 3.1 | 2.1 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.2 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 28.4 | 3.0 | 3.3 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 5.9 | 5.6 | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 3.4 | 21.8 | - | - |
| 123.0 | 42.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Labridae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 123.0 | 45.0 | - | 0.0 | 0.0 | - | 0.0 | - | 0.0 | 9.7 | - | - | - |
| 127.0 | 34.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.3 | 0.0 | 3.4 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.6 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 2.7 | 0.0 | - | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 3.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.6 | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 21.4 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 10.9 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 3.7 | - | - |
| 137.0 | 35.0 | 0.0 | 4.9 | - | - | 0.0 | 3.6 | - | - | 3.7 | - | - |
| 140.0 | 50.0 | - | 3.4 | 0.0 | - | 0.0 | - | - | - | - | - | - |

Pomacentridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 17.3 | 0.0 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 0.0 | 12.4 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 2.8 | 0.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 6.6 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 12.1 | 2.5 | - | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.7 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 2.1 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.8 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - |
| 130.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 9.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | 3.7 | - | - |

Chromis punctipinnis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Chromis punctipinnis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 43.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | - | - | 0.0 | 0.0 | - |
| 83.0 55.0 | - | - | - | - | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 90.0 37.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 30.0 | - | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | - | - |
| 115.0 27.0 | - | - | - | - | - | - | - | 0.0 | 2.7 | - | - | - |
| 115.0 40.0 | - | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - |
| 118.5 30.0 | - | - | - | - | - | - | - | 0.0 | 11.3 | - | - | - |

Mugil spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | - | - |

Brama spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 90.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 2.6 | - | 0.0 |
| 93.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 97.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 100.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 100.0 70.0 | - | 0.0 | - | 1.8 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 80.0 | - | 0.0 | - | 0.0 | 2.2 | 0.0 | - | - | - | - | 3.0 | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 103.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 107.0 65.0 | - | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 107.0 80.0 | - | - | - | 0.0 | 6.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.5 | - | 0.0 |
| 110.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.3 | - | - |
| 110.0 85.0 | - | - | - | - | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |

Carangidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 107.0 35.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | - | - | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |
| 130.0 60.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 6.0 | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 9.7 | 0.0 | - | - |

TABLE 4. (cont.)

Carangidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 137.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.0 | 0.0 | - | - |
| 153.0 25.0 | - | - | - | 0.0 | - | 4.9 | - | - | - | - | - | - |
| 157.0 25.0 | - | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |

Seriola lalandi

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 103.0 65.0 | - | - | - | - | 0.0 | 0.0 | 2.7 | - | - | - | - | - |
| 107.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.0 | - | - | 0.0 | - | 0.0 |
| 107.0 65.0 | - | - | - | - | 0.0 | 0.0 | 6.7 | - | - | - | - | - |
| 107.0 85.0 | - | - | - | - | 0.0 | 0.0 | 13.9 | - | - | - | - | - |
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.4 | 0.0 | 0.0 | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 19.4 | - | - | - | - |
| 110.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 110.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 13.2 | - | 0.0 | - | - |
| 110.0 70.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 10.3 | - | 0.0 | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.3 | 0.0 | 0.0 | - | 0.0 |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 0.0 | 0.0 | - | - |
| 113.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | - | - | 0.0 | - | - |
| 113.0 75.0 | - | - | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 115.0 35.0 | - | - | - | - | - | - | - | 5.6 | 0.0 | - | - | - |
| 115.0 40.0 | - | - | - | - | - | - | - | 12.3 | 0.0 | - | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 0.0 | 0.0 | - | - |
| 117.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | - | - |
| 117.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | - |
| 117.0 65.0 | - | - | - | - | 0.0 | 0.0 | 14.7 | - | - | 0.0 | - | - |
| 117.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 117.0 75.0 | - | - | - | - | 0.0 | 0.0 | 6.7 | - | - | - | - | - |
| 118.5 25.0 | - | - | - | - | - | - | - | 3.0 | 0.0 | - | - | - |
| 118.5 30.0 | - | - | - | - | - | - | - | 3.2 | 0.0 | - | - | - |
| 119.0 33.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 3.3 | 0.0 | 0.0 | - | - |
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | - | - | 0.0 | - | - |
| 120.0 65.0 | - | - | - | - | 0.0 | 0.0 | 16.8 | - | - | - | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | - | - | 0.0 | - | - |
| 120.0 75.0 | - | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 123.0 45.0 | - | - | - | - | - | - | - | 3.0 | 3.2 | - | - | - |
| 130.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 137.0 40.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.7 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Trachurus symmetricus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|-------|------|------|------|------|------|------|
| 63.0 | 55.0 | - | - | - | 0.0 | 0.0 | 20.2 | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 0.0 | 0.0 | 14.3 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 6.7 | 0.0 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 0.0 | 14.6 | 0.0 | - | - | - | - | - |
| 63.0 | 90.0 | - | - | - | - | 3.6 | - | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 0.0 | 0.0 | 31.8 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 0.0 | 0.0 | 8.0 | - | - | - | - | - |
| 67.0 | 80.0 | - | - | - | 0.0 | 9.6 | 0.0 | - | - | - | - | - |
| 67.0 | 90.0 | - | - | - | - | 12.6 | - | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 77.4 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 129.0 | 6.3 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 226.9 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 80.0 | - | - | - | 3.5 | 0.0 | - | - | - | - | 0.0 | - |
| 70.0 | 90.0 | - | - | - | 3.3 | 121.0 | - | - | - | - | - | - |
| 73.0 | 60.0 | - | - | - | 355.7 | 24.2 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 132.2 | 294.5 | 0.0 | - | - | - | - | - |
| 73.0 | 80.0 | - | - | - | 0.0 | 720.7 | - | - | - | - | - | - |
| 73.0 | 90.0 | - | - | - | - | 31.0 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 23.9 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 0.0 | 70.4 | 0.0 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 267.1 | 69.1 | 0.0 | - | - | - | - | - |
| 77.0 | 80.0 | - | - | - | 0.0 | 2.8 | 3.7 | - | - | - | - | - |
| 77.0 | 90.0 | - | - | - | - | 56.0 | 0.0 | - | - | - | - | - |
| 80.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 77.3 | 12.9 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | 0.0 | 0.0 | 0.0 | 100.0 | 289.5 | 14.9 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 362.5 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 21.9 | 259.7 | 2.7 | - | - | 0.0 | - | 0.0 |
| 83.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | - | - | 0.0 | 0.0 | - |
| 83.0 | 51.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | - | - | 0.0 | 0.0 | - |
| 83.0 | 60.0 | 0.0 | 5.9 | 0.0 | 2.9 | 144.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 65.0 | - | 34.4 | - | - | 18.9 | 0.0 | - | - | - | - | - |
| 83.0 | 70.0 | - | - | 0.0 | 0.0 | 135.0 | 5.8 | - | 0.0 | - | - | - |
| 83.0 | 75.0 | - | - | - | - | 62.4 | 0.0 | - | - | - | - | - |
| 83.0 | 80.0 | - | - | 0.0 | 2.8 | 161.5 | 0.0 | - | 0.0 | - | - | - |
| 83.0 | 85.0 | - | - | - | - | 120.1 | 2.8 | - | - | - | - | - |
| 83.0 | 90.0 | - | - | 2.3 | 42.6 | 29.5 | - | - | 0.0 | 0.0 | - | 0.0 |
| 87.0 | 55.0 | 0.0 | - | - | 32.5 | 0.0 | 2.9 | - | 0.0 | - | 0.0 | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 11.1 | 0.0 | - | - | - | - | - |
| 87.0 | 75.0 | - | - | - | 30.1 | 0.0 | 3.8 | - | - | 0.0 | - | - |
| 87.0 | 80.0 | - | - | 0.0 | 37.1 | 0.0 | - | - | - | - | - | - |
| 87.0 | 85.0 | - | - | - | 16.7 | 5.4 | 0.0 | - | - | - | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 6.9 | 60.2 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 45.0 | 0.0 | 0.0 | 39.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 0.0 | 323.7 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | 0.0 | 0.0 | 0.0 | 465.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 3.3 | 12.6 | 0.0 | - | - | 0.0 | - | 0.0 |

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|-------|-------|--------|-------|------|------|------|------|------|------|
| 90.0 | 75.0 | - | - | - | 16.4 | 15.0 | 4.8 | - | - | - | - | - |
| 90.0 | 80.0 | 0.0 | 0.0 | 161.2 | 5.1 | 0.0 | 5.1 | - | - | 0.0 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 246.5 | 0.0 | 24.2 | 23.4 | 63.4 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 69.9 | 3.1 | 2.9 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 126.2 | 0.0 | 11.1 | - | - | 0.0 | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 14.9 | 109.2 | 0.0 | 8.5 | - | - | 0.0 | 0.0 | - |
| 93.0 | 55.0 | - | - | 0.0 | 1473.2 | 164.0 | 66.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 159.6 | 370.8 | 111.0 | 21.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 35.8 | 506.5 | 17.8 | - | - | - | - | - |
| 93.0 | 70.0 | 0.0 | 6.0 | 0.0 | 24.4 | 7.9 | 65.3 | - | - | - | 0.0 | - |
| 93.0 | 75.0 | - | - | - | 18.8 | 41.8 | 21.5 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 0.0 | 140.8 | 15.5 | - | - | - | 0.0 | - |
| 93.0 | 85.0 | - | - | - | 3.5 | 7.1 | 5.7 | - | - | - | - | - |
| 93.0 | 90.0 | - | - | 0.0 | 0.0 | 3.8 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 13.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 45.0 | - | - | 6.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 0.0 | - | 0.0 | 3.8 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 2060.6 | 46.1 | 8.6 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 435.2 | 199.9 | 463.6 | 43.7 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 191.4 | 159.3 | 10.3 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 0.0 | 158.8 | 38.6 | 64.9 | - | - | - | - | - |
| 97.0 | 75.0 | - | - | - | 97.1 | 180.4 | 17.1 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | 0.0 | 3.5 | 11.2 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 85.0 | - | - | - | 0.0 | 6.1 | 0.0 | - | - | - | - | - |
| 97.0 | 90.0 | - | - | 0.0 | 1.9 | 21.3 | 12.6 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 17.0 | 0.0 | - | - | - | - | - | - |
| 100.0 | 40.0 | 0.0 | 0.0 | 4.9 | 0.0 | 3.9 | 0.0 | - | - | - | - | - |
| 100.0 | 45.0 | - | - | 3.2 | 5.7 | 3.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 28.8 | 17.9 | 5.2 | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 99.3 | 10.9 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 71.6 | 0.0 | 38.7 | 20.9 | 62.0 | 0.0 | - | - | - | - | - |
| 100.0 | 65.0 | - | - | - | 198.7 | 72.9 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | 57.9 | - | 81.0 | 280.4 | 11.2 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | - | 173.3 | 36.5 | - | - | - | - | - | - |
| 100.0 | 80.0 | 61.7 | - | 17.1 | 286.4 | 3.5 | - | - | - | - | 0.0 | - |
| 100.0 | 85.0 | - | - | - | 71.8 | 3.1 | - | - | - | - | - | - |
| 100.0 | 90.0 | 11.1 | - | 0.0 | 96.0 | 25.3 | - | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 11.4 | 0.0 | 2.8 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 5.8 | 10.6 | 13.1 | 41.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 4.0 | 11.3 | 0.0 | 34.4 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 37.0 | 48.6 | 65.8 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 7.2 | 0.0 | 2.7 | 18.2 | 23.4 | 14.8 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 11.2 | 53.5 | 22.9 | 20.5 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 13.6 | 55.5 | 43.7 | 2.7 | - | - | - | 3.2 | - |

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|------|-------|-------|------|------|------|------|------|------|
| 103.0 | 65.0 | - | - | - | 355.1 | 239.9 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | 58.1 | 6.2 | 0.0 | 118.8 | 32.9 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 75.0 | - | - | - | 41.0 | 13.7 | 0.0 | - | - | - | - | - |
| 103.0 | 80.0 | - | - | 9.0 | 65.2 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 77.4 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 237.6 | 0.0 | - | - | - | - | - | - |
| 107.0 | 32.0 | - | 0.0 | 0.0 | 0.0 | - | 3.7 | - | - | - | - | - |
| 107.0 | 35.0 | - | 3.2 | 3.3 | 16.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 13.3 | 36.0 | 13.7 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 8.5 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | - | 0.0 | 0.0 | 82.2 | 8.8 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | 239.4 | - | 6.4 | 269.6 | 6.3 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | - | 11.4 | 3.5 | 347.7 | 3.4 | 0.0 | - | - | 0.0 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 105.7 | 6.5 | 23.5 | - | - | - | - | - |
| 107.0 | 70.0 | - | 6.2 | 4.3 | 160.5 | 16.1 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 10.6 | 15.4 | 0.0 | - | - | - | - | - |
| 107.0 | 80.0 | - | - | 0.0 | 9.6 | 3.6 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 85.0 | - | - | - | 7.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 14.5 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 9.1 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 2.7 | 11.2 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 12.6 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 2.5 | - | 30.3 | - | - | - | 0.0 |
| 110.0 | 70.0 | - | 0.0 | 82.5 | 0.0 | 0.0 | - | 3.4 | - | 0.0 | - | - |
| 110.0 | 75.0 | - | - | - | 2.9 | 3.2 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 80.0 | - | - | 0.0 | 21.1 | 5.9 | - | 0.0 | - | - | - | - |
| 110.0 | 85.0 | - | - | - | 8.3 | 0.0 | - | 3.3 | - | - | - | - |
| 110.0 | 90.0 | - | - | 10.1 | 6.1 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 23.7 | 68.2 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - |
| 113.0 | 45.0 | - | - | 8.5 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 54.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | 12.7 | 0.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 5.9 | 3.0 | 35.3 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 10.4 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 4.6 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 75.0 | - | - | - | 16.1 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 117.0 | 80.0 | - | - | 16.9 | 21.4 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 0.0 | 0.0 | 2.3 | - | - |
| 120.0 | 55.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | - | - | - | - | - |
| 120.0 | 75.0 | - | - | - | 5.0 | 7.0 | 0.0 | - | - | - | - | - |
| 123.0 | 55.0 | 0.0 | 0.0 | 2.6 | - | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | - | - |

Coryphaena hippurus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 113.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 7.0 | - | - | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 5.6 | 0.0 | - | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 0.0 | 2.5 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 3.2 | 0.0 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 3.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 123.0 | 55.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | - | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 5.4 | 0.0 | - | - | - |
| 130.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | - | - | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.0 | 6.6 | 0.0 | - | - |
| 137.0 | 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.7 | - | - | 0.0 | - | - |
| 157.0 | 15.0 | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |

Gerreidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 26.3 | - | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.7 | 3.2 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Gerreidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - |
| 120.0 45.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 0.0 | - | - |
| 133.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.6 | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 0.0 | - | - |
| 137.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | - | - |

Haemulidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|-------|------|------|------|------|
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 115.0 27.0 | - | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 125.6 | 0.0 | 0.0 | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 0.0 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 120.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71.0 | 0.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | - | - |
| 123.0 45.0 | - | - | - | - | - | - | - | 3.0 | 0.0 | - | - | - |
| 127.0 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.3 | 0.0 | 0.0 | - | - |
| 127.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | - | - |
| 130.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 137.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | - | - |

Girella nigricans

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | - | - |
| 127.0 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |

Medialuna californiensis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 67.0 55.0 | - | - | - | - | 0.0 | 0.0 | 6.4 | - | - | - | - | - |
| 93.0 55.0 | - | - | - | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 97.0 60.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.4 | - | - | - | 0.0 | - |
| 100.0 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 65.0 | - | - | - | - | 0.0 | 8.1 | 0.0 | - | - | - | - | - |
| 103.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.6 | - | - | - | - | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 3.4 | 2.7 | - | - | - | 0.0 | - |
| 103.0 65.0 | - | - | - | - | 0.0 | 11.1 | 0.0 | - | - | - | - | - |
| 107.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.3 | - | - |

TABLE 4. (cont.)

Medialuna californiensis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 4.3 | - | - | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 2.9 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.3 | 0.0 | 0.0 | 0.0 | - | - |

Caulolatilus princeps

Sciaenidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 80.0 | 51.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 25.3 |
| 80.0 | 55.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.1 | 0.0 |
| 83.0 | 40.0 | 26.1 | 0.0 | 0.0 | 124.1 | 0.0 | 3.5 | - | - | 1.3 | 0.0 | - |
| 83.0 | 43.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 35.0 | 32.0 | - | - | - | 0.0 | - | - | - | - | 0.0 | - |
| 87.0 | 36.0 | - | 0.0 | 8.3 | 0.0 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 38.0 | 84.8 | - | - | - | - | - | - | - | - | - | - |
| 87.0 | 40.0 | 97.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 0.0 | 2.3 | 4.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 27.0 | 11.5 | 0.0 | 0.0 | 0.0 | 22.2 | 0.0 | - | - | 0.0 | 0.0 | - |
| 97.0 | 30.0 | 10.7 | 25.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.4 | - | - | - | 0.0 | - |
| 107.0 | 70.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 5.8 | 0.0 | 0.0 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | - | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.1 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 8.7 | 0.0 | 0.0 | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 0.0 | 14.6 | 2.7 | 3.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 4.7 | 13.6 | 0.0 | 8.8 | 0.0 | 0.0 | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 6.0 | 6.0 | 0.0 | 0.0 | 2.5 | 0.0 | 11.8 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 14.2 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Sciaenidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 2.4 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 83.5 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.1 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.6 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 8.9 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 133.0 | 45.0 | - | - | 0.0 | - | 0.0 | 3.6 | - | - | - | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.7 | 16.0 | 6.4 | 32.7 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | 0.0 | 6.1 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 5.3 | 5.8 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | - | 2.9 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |

Serranidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 | 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | - | - | 0.0 | 0.0 | 0.0 |
| 83.0 | 43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | - | - | 0.0 | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | - | - | - | 0.0 | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 0.0 | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 17.1 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.5 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 11.7 | 0.0 | 0.0 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.1 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69.7 | 42.8 | 0.0 | - | - |

Scombridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 | 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - |
| 133.0 | 35.0 | 0.0 | 25.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 30.0 | - | 0.0 | 0.0 | - | 0.0 | 6.8 | - | - | - | - | - |

TABLE 4. (cont.)

Scombridae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 140.0 35.0 | - | 0.0 | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |

| Auxis spp. | | | | | | | | | | | | |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
| 110.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | - | 0.0 | - | - |
| 110.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 110.0 65.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 4.3 | - | - | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.0 | 0.0 | 0.0 | - | - |
| 115.0 35.0 | - | - | - | - | - | - | - | 28.1 | 0.0 | - | - | - |
| 115.0 40.0 | - | - | - | - | - | - | - | 15.3 | 0.0 | - | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | - | - |
| 117.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.1 | 0.0 | 0.0 | - | - |
| 117.0 65.0 | - | - | - | - | 0.0 | 0.0 | 7.4 | - | - | - | - | - |
| 118.5 30.0 | - | - | - | - | - | - | - | 60.6 | 0.0 | - | - | - |
| 118.5 35.0 | - | - | - | - | - | - | - | 9.4 | - | - | - | - |
| 119.0 33.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.7 | 0.0 | 0.0 | - | - |
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | - | - |
| 120.0 65.0 | - | - | - | - | 0.0 | 0.0 | 3.5 | - | - | - | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.5 | - | - | 0.0 | - | - |
| 123.0 70.0 | - | - | - | 0.0 | - | - | 3.3 | - | - | 0.0 | - | - |
| 133.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.4 | 0.0 | 0.0 | - | - |
| 133.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | - | - |
| 137.0 35.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 157.0 15.0 | - | - | - | 0.0 | - | 6.6 | - | - | - | - | - | - |

Sarda chiliensis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | - | - |

Scomber japonicus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 70.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | 0.0 | - | - |
| 93.0 55.0 | - | - | - | 0.0 | 0.0 | 16.4 | 0.0 | - | - | - | 0.0 | - |
| 97.0 30.0 | - | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 32.0 | - | 0.0 | - | 17.0 | 0.0 | 0.0 | 2.2 | - | - | - | 0.0 | 0.0 |
| 97.0 60.0 | - | 0.0 | - | 0.0 | 3.9 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 65.0 | - | - | - | - | 2.9 | 3.5 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Scomber japonicus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|-------|------|-------|-------|-------|------|------|
| 100.0 | 33.0 | 0.0 | 0.0 | 15.7 | 0.0 | 0.0 | - | - | - | - | - | - |
| 100.0 | 40.0 | 0.0 | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 | 65.0 | - | - | - | 12.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 0.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 45.0 | - | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 60.0 | 0.0 | - | 0.0 | 3.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 70.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | 0.0 | 7.1 | 0.0 | - | 0.0 |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.9 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 46.2 | 0.0 | 0.0 | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 3.4 | 0.0 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 11.2 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 137.2 | 8.0 | 9.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.7 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.2 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 129.9 | 0.0 | - | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 4.6 | 43.5 | 0.0 | - | - | - | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 24.2 | 2.5 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 9.6 | 161.3 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 31.2 | - | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 78.3 | 44.7 | 44.2 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 21.4 | 2.7 | 0.0 | 35.6 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 51.7 | 41.4 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.7 | 26.7 | 9.3 | 128.7 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 19.2 | 17.9 | 115.8 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 91.3 | 5.9 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | - | 0.0 | 3.2 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 74.1 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 3.4 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 5.9 | 0.0 | 0.0 | - | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | - | 0.0 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 150.0 | 25.0 | 27.7 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |

Scomberomorus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Trichiuridae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 107.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | - | 0.0 | 2.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 2.8 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.3 | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | 15.9 |
| 110.0 | 80.0 | 0.0 | - | 0.0 | 3.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 | 0.0 | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 3.1 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 6.4 | 0.0 | 0.0 | - | - |
| 115.0 | 40.0 | - | - | - | - | - | 0.0 | 11.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | - | - |
| 118.5 | 30.0 | - | 0.0 | - | - | - | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 6.3 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 0.0 | 9.7 | 0.0 | - | - |
| 123.0 | 50.0 | 2.8 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.5 | 3.5 | 0.0 | - | - |
| 127.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.8 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 2.6 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 3.3 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 5.4 | 3.0 | - | - | - |
| 130.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 25.0 | 13.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | - | - |
| 133.0 | 40.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 45.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 2.7 | 4.9 | 0.0 | - | 0.0 | 3.6 | 0.0 | - | 0.0 | - | - |
| 137.0 | 40.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 30.0 | - | 2.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 40.0 | - | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |

Sphyraena argentea

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.0 | 40.0 | - | 0.0 | 0.0 | 11.3 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Sphyraena argentea (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 115.0 | 27.0 | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 35.8 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 5.9 | 0.0 | 0.0 | - | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 35.0 | - | 0.0 | 0.0 | - | 0.0 | 10.3 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 23.7 | - | - | 0.0 | - | - |

Icichthys lockingtoni

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 60.0 | - | - | - | 0.0 | 0.0 | 6.5 | - | - | - | - | - |
| 60.0 | 70.0 | - | - | - | 0.0 | 11.4 | 0.0 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 0.0 | 11.6 | - | - | - | - | - | - |
| 63.0 | 52.0 | - | - | - | 0.0 | 0.0 | 10.6 | - | - | - | - | - |
| 63.0 | 55.0 | - | - | - | 8.5 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 60.0 | - | - | - | 13.3 | 13.0 | 0.0 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 20.1 | 11.3 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 0.0 | 0.0 | 54.2 | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 0.0 | 12.8 | 0.0 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 3.5 | 7.0 | 6.7 | - | - | - | - | - |
| 70.0 | 52.0 | - | - | - | 0.0 | 0.0 | 6.2 | - | - | - | - | - |
| 70.0 | 55.0 | - | - | - | 69.3 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 4.4 | 0.0 | 4.2 | - | - | - | 0.0 | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 0.0 | 13.7 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 9.1 | 24.2 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 70.0 | - | - | - | 33.0 | 12.4 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 80.0 | - | - | - | 7.8 | 15.4 | - | - | - | - | - | - |
| 73.0 | 90.0 | - | - | - | - | 3.4 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 6.0 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 0.0 | 6.4 | 0.0 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 29.7 | 0.0 | 0.0 | - | - | - | - | - |
| 80.0 | 60.0 | - | - | 0.0 | 0.0 | 0.0 | 12.9 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 13.2 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 12.7 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 52.0 | - | 2.7 | - | - | - | - | - | - | - | 0.0 | - |
| 83.0 | 60.0 | - | 5.9 | 0.0 | 0.0 | 17.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 70.0 | - | 23.0 | 0.0 | 0.0 | 6.0 | 0.0 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 75.0 | - | - | - | - | 10.4 | 0.0 | - | - | - | - | - |
| 87.0 | 45.0 | - | 6.2 | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 55.0 | 0.0 | - | - | 6.5 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.9 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 70.0 | 0.0 | 0.0 | 5.8 | 0.0 | 6.3 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 11.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 0.0 | 13.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 45.0 | - | - | 12.4 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 29.8 | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 9.6 | 5.8 | 9.8 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 13.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 93.0 | 70.0 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 32.0 | 0.0 | - | 11.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 55.0 | - | - | - | 0.0 | 6.6 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 9.1 | 0.0 | - | - | - | - | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | - | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 6.6 | 0.0 | - | - | - | - | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 103.0 | 55.0 | - | - | 0.0 | 0.0 | 6.5 | 0.0 | - | - | - | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |

Nomeidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 153.0 | 16.0 | - | - | 0.0 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 20.0 | 0.0 | - | 0.0 | - | 3.0 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 0.0 | - | 14.8 | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 0.0 | - | 13.3 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 0.0 | - | 94.2 | - | - | - | - | - | - |

Peprilus simillimus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.0 | 40.0 | - | 0.0 | 0.0 | 50.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | - | 3.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 113.0 | 30.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 2.8 | 0.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 4.7 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Peprilus similimus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 117.0 | 40.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 119.0 | 33.0 | - | 6.5 | 0.0 | 96.5 | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 53.6 | 9.8 | 3.7 | 25.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 6.4 | 44.6 | 33.0 | 3.2 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 15.2 | 0.0 | 133.4 | 0.0 | 2.1 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | 9.7 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | 0.0 | 4.7 | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 65.0 | - | - | 0.0 | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | - | - |
| 140.0 | 35.0 | - | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |

Tetragonurus cuvieri

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77.0 | 90.0 | - | - | - | - | 3.1 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 80.0 | 0.0 | 11.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 83.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 83.0 | 90.0 | - | - | 2.3 | 0.0 | 0.0 | - | - | - | 0.0 | - | - |
| 87.0 | 85.0 | - | - | - | 2.8 | 0.0 | 0.0 | - | - | - | - | 3.1 |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 75.0 | - | - | - | 3.3 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | - | - | 1.3 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.3 |
| 93.0 | 40.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 3.8 | - | - | - | - | - |
| 93.0 | 75.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 80.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 93.0 | 90.0 | - | - | 0.0 | 6.0 | 0.0 | 0.0 | - | - | - | 25.4 | - |
| 97.0 | 55.0 | - | - | - | 13.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | 0.0 | - | 12.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 14.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | - | - | - | 17.1 | 0.0 | 0.0 | - | - | - | 4.2 | - |
| 97.0 | 75.0 | - | - | - | 3.3 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 | 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 65.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 100.0 | 70.0 | - | - | 7.0 | 6.0 | 2.8 | 2.6 | - | - | - | 0.0 | - |
| 100.0 | 75.0 | 0.0 | - | - | 3.4 | 3.0 | 0.0 | - | - | - | - | - |
| 100.0 | 80.0 | 3.4 | - | 0.0 | 2.2 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 90.0 | 3.7 | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 14.4 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 103.0 | 60.0 | 0.0 | - | 6.8 | 3.5 | 0.0 | 5.3 | - | - | - | 6.4 | - |
| 103.0 | 65.0 | - | - | - | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 70.0 | 0.0 | 3.1 | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | 10.0 | - |
| 103.0 | 80.0 | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | 3.0 | - |
| 103.0 | 90.0 | - | - | 3.1 | 0.0 | 0.0 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 3.3 | 2.3 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 55.0 | - | 5.4 | 3.2 | 6.4 | 0.0 | 3.2 | - | - | - | - | - |
| 107.0 | 60.0 | 3.2 | 16.9 | 7.0 | 17.0 | 0.0 | 20.4 | - | - | 0.0 | - | 0.0 |
| 107.0 | 65.0 | - | - | - | 6.0 | 3.3 | 0.0 | - | - | - | - | - |
| 107.0 | 70.0 | - | 6.2 | 4.3 | 4.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 50.0 | 2.7 | 3.7 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 65.0 | - | - | - | 10.6 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 70.0 | - | 3.1 | 0.0 | 0.0 | 0.0 | - | 10.3 | - | 0.0 | - | 0.0 |
| 110.0 | 90.0 | - | - | 0.0 | 3.0 | 0.0 | - | 0.0 | - | - | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 18.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 5.5 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 11.2 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 55.0 | - | - | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 11.0 | 0.0 | 0.0 | 0.0 | 2.9 | 18.4 | - | - | 0.0 | - | - |
| 113.0 | 65.0 | - | - | - | 0.0 | 2.4 | 0.0 | - | - | - | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 75.0 | - | 2.6 | - | 0.0 | 2.5 | 0.0 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 5.9 | 0.0 | 5.0 | 3.6 | - | - | 0.0 | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 3.1 | 0.0 | - | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 2.3 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | - | - | 0.0 | - | - |
| 117.0 | 65.0 | 0.0 | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 75.0 | - | - | - | 2.7 | 0.0 | 3.4 | - | - | - | - | - |
| 117.0 | 80.0 | - | - | 2.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 2.8 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.9 | - | - | 0.0 | - | - |
| 120.0 | 75.0 | - | - | - | 0.0 | 0.0 | 6.8 | - | - | - | - | - |

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 123.0 50.0 | 0.0 | 9.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 123.0 55.0 | - | 0.0 | 2.9 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 55.0 | - | 10.4 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 80.0 | - | - | - | 0.0 | - | - | 3.6 | - | - | 0.0 | - | - |

Chiasmodontidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97.0 65.0 | - | - | - | - | 2.9 | 0.0 | 0.0 | - | - | - | - | - |
| 97.0 70.0 | - | 0.0 | - | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 65.0 | - | - | - | - | 0.0 | 2.7 | 0.0 | - | - | - | - | - |
| 100.0 70.0 | - | 0.0 | - | 0.0 | 0.0 | 2.8 | - | - | - | - | 2.8 | - |
| 100.0 75.0 | - | - | - | - | 2.3 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 90.0 | - | 0.0 | - | 5.3 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 60.0 | 0.0 | 0.0 | - | 0.0 | 2.7 | 3.7 | 5.3 | - | - | - | 0.0 | - |
| 103.0 65.0 | - | - | - | - | 0.0 | 0.0 | 2.7 | - | - | - | - | - |
| 103.0 70.0 | - | 0.0 | 3.1 | 3.2 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 103.0 80.0 | - | - | - | 3.0 | 3.4 | 0.0 | - | - | - | - | 0.0 | - |
| 107.0 65.0 | - | - | - | - | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 70.0 | - | 0.0 | 18.7 | 0.0 | 4.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 75.0 | - | - | - | - | 2.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 80.0 | - | - | - | 0.0 | 3.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 90.0 | - | - | - | 2.8 | 2.9 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.5 | - | - | - | - |
| 110.0 70.0 | - | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 2.8 | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 3.3 | - | - |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 0.0 | - | - |
| 113.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - |
| 113.0 75.0 | - | - | - | - | 0.0 | 2.5 | 0.0 | - | - | 2.4 | - | - |
| 113.0 80.0 | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 115.0 35.0 | - | - | - | - | 0.0 | - | - | 0.0 | 2.9 | - | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.0 | - | - |
| 117.0 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.2 | - | - |
| 120.0 50.0 | 0.0 | 5.5 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 60.0 | 0.0 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 70.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 80.0 | - | 0.0 | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 85.0 | - | - | - | - | - | 2.8 | - | - | - | - | - | - |
| 123.0 55.0 | - | 0.0 | 2.9 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 123.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 6.2 | - | - |
| 123.0 70.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 0.0 | - | - |
| 127.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 45.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |

12.7

TABLE 4. (cont.)

Chiasmodontidae (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 127.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 127.0 55.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | 3.2 | - | - | - | - | - |
| 127.0 60.0 | 0.0 | 0.0 | 6.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 80.0 | - | - | - | 0.0 | - | - | 0.0 | - | - | 3.9 | - | - |
| 133.0 35.0 | 0.0 | - | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 40.0 | - | 0.0 | 0.0 | 0.0 | - | 2.8 | - | - | - | - | - | - |
| 150.0 40.0 | - | 0.0 | 0.0 | 6.5 | - | - | - | - | - | - | - | - |
| 153.0 30.0 | - | 3.0 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Uranoscopidae

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 130.0 40.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Pleuronectiformes

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.2 | 0.0 | 0.0 | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | - | - |
| 133.0 35.0 | 0.0 | - | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | - | - |

Bothus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 60.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 | - | - |
| 137.0 35.0 | 0.0 | 4.9 | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 157.0 25.0 | - | - | - | 0.0 | - | 5.5 | - | - | - | - | - | - |

Citharichthys spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 80.0 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 3.1 | 0.0 |
| 83.0 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.5 | - |
| 83.0 70.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 7.0 | - | - |
| 87.0 36.0 | - | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | 8.6 | 0.0 | - |
| 90.0 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.9 | 0.0 |

TABLE 4. (cont.)

Citharichthys spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|-------|-------|------|-------|------|------|------|
| 90.0 | 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | - | - | - | 0.0 | 0.0 |
| 93.0 | 27.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 35.0 | - | - | 3.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 12.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 4.8 | 0.0 | 3.3 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | - | 5.1 | 3.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 32.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.0 | 0.0 |
| 100.0 | 33.0 | - | 0.0 | 0.0 | 8.5 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 40.0 | - | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 3.2 | - |
| 107.0 | 32.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 7.3 | - | - | - | - | - |
| 110.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 97.7 | 116.2 | 15.3 | - | - |
| 110.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 4.4 | 70.8 | 9.8 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 51.5 | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 84.9 | 16.2 | 28.4 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.6 | 34.6 | 28.2 | 0.0 | - | - |
| 115.0 | 27.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 23.1 | 18.6 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 0.0 | 9.3 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 13.4 | 6.0 | 13.6 | 29.2 | 294.2 | 3.0 | - | - |
| 117.0 | 30.0 | 21.1 | 0.0 | 0.0 | 0.0 | 33.9 | 7.3 | 26.4 | 9.3 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.2 | 25.6 | 12.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.6 | 5.5 | 6.6 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 11.2 | - | - | - | - | - |
| 117.0 | 50.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 12.2 | 2.6 | 0.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | - | 9.6 | 0.0 | 3.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 21.1 | 15.2 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 3.2 | 7.5 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 9.4 | - | - | - | - |
| 119.0 | 33.0 | - | - | - | 10.7 | 46.6 | 30.9 | 2.9 | 20.9 | 0.0 | - | - |
| 120.0 | 25.0 | 17.9 | 0.0 | 63.7 | 0.0 | 40.3 | 41.6 | 5.9 | 6.3 | 0.0 | - | - |
| 120.0 | 30.0 | 35.2 | 0.0 | 0.0 | 0.0 | 207.9 | 109.8 | 83.5 | 3.1 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 15.2 | 0.0 | 0.0 | 2.9 | 2.1 | 3.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 3.6 | 0.0 | 20.3 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 5.1 | 0.0 | 0.0 | 17.6 | 2.8 | 0.0 | - | - |
| 120.0 | 50.0 | 2.7 | - | 0.0 | 2.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 55.0 | - | - | 0.0 | 0.0 | 13.7 | 0.0 | - | - | - | - | - |
| 120.0 | 65.0 | 0.0 | 0.0 | 0.0 | 5.9 | 2.9 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | - | - | 0.0 | 0.0 | 3.5 | 0.0 | - | - | - | - | - |
| 120.0 | 75.0 | - | - | - | 0.0 | 0.0 | 0.0 | 4.9 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.9 | - | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 123.0 | 60.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Citharichthys spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 127.0 40.0 | 0.0 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | - | - |
| 127.0 45.0 | - | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | - | - |
| 127.0 50.0 | 0.0 | 0.0 | 0.0 | 10.6 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 45.0 | - | - | - | - | - | 0.0 | 5.9 | 0.0 | 0.0 | - | - | - |
| 133.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.7 | 0.0 | 3.0 | - | - |
| 133.0 30.0 | 0.0 | 0.0 | 98.3 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 | 7.1 | 0.0 | - | - |
| 133.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 3.4 | - | - | 0.0 | - | - |
| 137.0 23.0 | 4.9 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | - | - |

Citharichthys fragilis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|-------|-------|------|------|------|-------|-------|-------|-------|------|------|------|
| 110.0 33.0 | - | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | 17.0 | 0.0 | 0.0 | - | - |
| 110.0 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 2.5 | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 6.5 | - | - | - | - |
| 113.0 30.0 | 0.0 | 71.7 | 11.6 | 0.0 | 0.0 | 3.6 | 64.2 | 56.7 | 0.0 | 0.0 | - | - |
| 113.0 35.0 | 0.0 | 10.0 | 0.0 | 0.0 | 6.2 | 0.0 | 4.0 | 79.8 | 0.0 | 3.2 | - | - |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | 0.0 | - | - |
| 115.0 27.0 | - | - | - | - | - | - | - | 92.5 | 31.9 | - | - | - |
| 115.0 30.0 | - | - | - | - | - | - | - | 71.0 | 27.8 | - | - | - |
| 115.0 35.0 | - | - | - | - | - | - | - | 8.4 | 0.0 | - | - | - |
| 117.0 26.0 | 23.2 | 169.9 | 0.0 | 2.8 | 13.4 | 96.0 | 10.2 | 476.0 | 108.7 | 0.0 | - | - |
| 117.0 30.0 | 84.5 | 67.4 | 3.1 | 0.0 | 14.0 | 0.0 | 0.0 | 117.2 | 15.5 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 82.8 | 0.0 | 0.0 | 0.0 | 0.0 | 22.4 | 21.0 | 0.0 | - | - |
| 117.0 40.0 | 0.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 10.1 | 2.7 | 3.3 | 0.0 | - | - |
| 117.0 45.0 | - | - | - | 0.0 | 2.3 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 50.0 | 5.3 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 55.0 | - | - | - | 0.0 | 12.2 | 2.6 | 0.0 | - | - | - | - | - |
| 117.0 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.0 39.0 | - | - | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.5 25.0 | - | - | - | - | - | - | - | 9.1 | 0.0 | - | - | - |
| 118.5 30.0 | - | - | - | - | - | - | - | 3.2 | 0.0 | - | - | - |
| 118.5 35.0 | - | - | - | - | - | - | - | 93.6 | - | - | - | - |
| 119.0 33.0 | - | - | 38.9 | 0.0 | 0.0 | 191.8 | 68.6 | 116.0 | 17.9 | 0.0 | - | - |
| 120.0 25.0 | 18.2 | 71.5 | 41.7 | 0.0 | 37.0 | 138.6 | 20.8 | 26.6 | 3.2 | 0.0 | - | - |
| 120.0 30.0 | 108.2 | 316.4 | 12.0 | 8.6 | 55.8 | 0.0 | 171.2 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 35.0 | 44.3 | 165.2 | 0.0 | 15.2 | 12.0 | 601.9 | 80.4 | 4.3 | 3.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 37.6 | 0.0 | - | 15.2 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 45.0 | 5.6 | 0.0 | - | - | 25.3 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 50.0 | 0.0 | 0.0 | - | 0.0 | 5.2 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 55.0 | 0.0 | 17.0 | 0.0 | 0.0 | 0.0 | 2.2 | 14.5 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 37.0 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 42.0 | 2.8 | 0.0 | 17.9 | 0.0 | 2.7 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Citharichthys fragilis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 127.0 34.0 | 46.4 | 10.5 | 9.1 | 1.6 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 40.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 45.0 | - | 70.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 127.0 55.0 | - | 3.5 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 130.0 30.0 | 4.8 | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 35.0 | 0.0 | 34.9 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 50.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 25.0 | 0.0 | 55.2 | 30.7 | 2.5 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 35.0 | 0.0 | - | 0.0 | 0.0 | - | 0.0 | 3.4 | - | - | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 35.0 | 0.0 | 9.8 | 0.0 | 0.0 | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 137.0 40.0 | - | 0.0 | 5.8 | 0.0 | - | 0.0 | 3.7 | - | - | 0.0 | - | - |
| 137.0 45.0 | - | - | - | 4.8 | - | 0.0 | 0.0 | - | - | - | - | - |
| 140.0 30.0 | - | 0.0 | 0.0 | 2.3 | - | 0.0 | 0.0 | - | - | - | - | - |
| 140.0 35.0 | - | 0.0 | 5.5 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 147.0 30.0 | - | 0.0 | 2.9 | 0.0 | - | - | - | - | - | - | - | - |

Citharichthys sordidus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 60.0 | - | - | - | - | 0.0 | 0.0 | 13.0 | - | - | - | - | - |
| 63.0 60.0 | - | - | - | - | 0.0 | 13.0 | 0.0 | - | - | - | - | - |
| 63.0 70.0 | - | - | - | - | 0.0 | 0.0 | 7.5 | - | - | - | - | - |
| 67.0 55.0 | - | - | - | - | 0.0 | 6.4 | 0.0 | - | - | - | 0.0 | - |
| 70.0 70.0 | - | - | - | - | 0.0 | 11.9 | 0.0 | - | - | - | 3.2 | - |
| 73.0 55.0 | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 60.0 | - | - | - | - | 0.0 | 0.0 | 6.4 | - | - | - | - | - |
| 77.0 55.0 | - | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 77.0 70.0 | - | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 80.0 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 8.9 | 0.0 | 3.0 |
| 80.0 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.8 | 0.0 |
| 83.0 40.0 | - | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 43.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.5 | 5.7 | - |
| 83.0 48.0 | - | - | 2.5 | 0.0 | - | - | - | - | - | - | - | - |
| 83.0 51.0 | - | 18.1 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | 0.0 | 0.0 | - |
| 83.0 60.0 | - | 4.7 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 86.0 46.0 | - | 16.4 | - | 0.0 | - | - | - | - | - | - | - | - |
| 87.0 35.0 | - | 5.3 | - | - | - | 0.0 | - | - | - | 0.0 | 2.3 | - |
| 87.0 36.0 | - | - | 6.0 | 0.0 | 0.0 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 40.0 | - | 49.0 | 11.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 87.0 45.0 | - | - | 6.2 | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 55.0 | - | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 2.4 | 0.0 | - |

TABLE 4. (cont.)

Citharichthys sordidus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90.0 | 28.0 | - | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 53.0 | - | - | - | - | - | - | - | - | 3.3 | - | - |
| 90.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | - | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 50.0 | - | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | - | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 2.9 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 7.1 | 0.0 | 3.1 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.1 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.3 | - | - | - | - |
| 113.0 | 35.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 70.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 2.3 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 55.0 | - | - | 0.0 | 12.2 | 0.0 | 0.0 | - | - | - | - | - |
| 119.0 | 33.0 | - | - | 0.0 | 0.0 | 11.0 | 6.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 6.5 | 0.0 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 15.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 4.7 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Citharichthys stigmatæus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 63.0 | 55.0 | - | - | - | 0.0 | 0.0 | 10.1 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 0.0 | 7.5 | - | - | - | - | - |
| 63.0 | 80.0 | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |
| 70.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 5.3 | - |
| 70.0 | 60.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 6.1 | - |
| 70.0 | 70.0 | - | - | - | 0.0 | 11.9 | 4.2 | - | - | - | 0.0 | - |
| 70.0 | 80.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | 9.3 | - |
| 73.0 | 51.0 | - | - | - | - | - | - | - | - | - | 10.2 | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 15.9 | - |
| 73.0 | 60.0 | - | - | - | 0.0 | 12.1 | 0.0 | - | - | - | 0.0 | - |
| 77.0 | 50.0 | - | - | - | 0.0 | 6.1 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 0.0 | 0.0 | 7.2 | - | - | - | - | - |
| 80.0 | 51.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | - | - | 0.0 | - | 2.5 |

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.0 | 55.0 | 0.0 | 17.7 | 7.4 | 0.0 | 0.0 | 17.0 | - | - | 56.0 | 39.8 | 6.0 |
| 80.0 | 60.0 | 6.8 | 0.0 | 9.7 | 11.8 | 0.0 | 0.0 | - | - | 19.1 | 17.6 | 22.0 |
| 80.0 | 70.0 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 11.2 | 0.0 |
| 80.0 | 80.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 3.2 |
| 82.0 | 47.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 2.6 | - | - | 0.0 | 9.4 | - |
| 83.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | 1.3 | 4.5 | - |
| 83.0 | 43.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 4.3 | - | - | 7.1 | 0.0 | - |
| 83.0 | 51.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | - | - | 0.0 | 3.3 | - |
| 83.0 | 52.0 | 0.0 | 5.4 | - | - | - | - | - | - | - | - | - |
| 83.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 83.0 | 60.0 | 4.7 | 5.9 | 0.0 | 0.0 | 0.0 | 10.7 | - | - | 0.0 | 0.0 | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.3 | - | - |
| 83.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - | 9.0 |
| 87.0 | 35.0 | 10.7 | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 0.0 | 16.6 | 0.0 | - | 0.0 | - | - | 31.5 | 2.3 | - |
| 87.0 | 40.0 | 0.0 | 22.1 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 3.9 | - |
| 87.0 | 45.0 | - | 0.0 | - | 55.7 | 0.0 | 0.0 | - | - | 0.0 | 3.5 | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | - | - | 0.0 | 6.5 | - |
| 87.0 | 55.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.4 | 18.1 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | 0.0 | 19.1 | - |
| 87.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 87.0 | 70.0 | 0.0 | 23.5 | 11.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 90.0 | 28.0 | 11.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.4 | 5.9 | 0.0 |
| 90.0 | 37.0 | 0.0 | 24.1 | 0.0 | 3.2 | 12.8 | 12.2 | - | - | 3.3 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.9 | 0.0 |
| 90.0 | 50.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 19.0 | 0.0 | 0.0 |
| 90.0 | 53.0 | - | - | - | 23.1 | - | - | - | - | 13.0 | - | 0.0 |
| 90.0 | 55.0 | 0.0 | 24.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 90.0 | 60.0 | 2.9 | 0.0 | 0.0 | 0.0 | 18.9 | 2.3 | - | - | 3.3 | 0.0 | - |
| 90.0 | 65.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 90.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.3 | - | 0.0 |
| 90.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 2.8 |
| 93.0 | 27.0 | 11.6 | 8.9 | 0.0 | 9.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 93.0 | 30.0 | 23.0 | 89.1 | 0.0 | 4.1 | 0.0 | 21.6 | - | - | 40.2 | 0.0 | - |
| 93.0 | 35.0 | - | - | 0.0 | 2.1 | 3.1 | 2.6 | - | - | 8.5 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 1.7 | - |
| 93.0 | 50.0 | 0.0 | 6.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 1.1 | - |
| 97.0 | 30.0 | 5.3 | 0.0 | 0.0 | 8.9 | 0.0 | 2.0 | - | - | - | 5.6 | 3.2 |
| 97.0 | 32.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 24.4 | - |
| 97.0 | 35.0 | - | - | - | - | - | - | - | - | - | 3.4 | - |
| 97.0 | 40.0 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 50.0 | 0.0 | 0.0 | - | 0.0 | 3.8 | 0.0 | - | - | - | - | - |
| 97.0 | 60.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 4.9 | - | - | - | 0.0 | - |

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 97.0 | 90.0 | - | - | 7.7 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | - | - | - | 0.0 | - |
| 100.0 | 32.0 | - | - | - | - | - | 2.8 | - | - | - | - | - |
| 100.0 | 33.0 | 0.0 | 0.0 | 10.4 | 25.6 | 3.0 | - | - | - | - | - | - |
| 100.0 | 40.0 | 22.4 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | - | - | - | 5.7 | 0.0 |
| 100.0 | 45.0 | - | - | 3.2 | 0.0 | 0.0 | 2.9 | - | - | - | - | - |
| 100.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.8 | - | - | - | 3.0 | - |
| 100.0 | 55.0 | - | - | 0.0 | 0.0 | 3.3 | 0.0 | - | - | - | - | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 40.0 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 110.0 | 33.0 | 10.4 | 0.0 | 21.4 | 0.0 | 0.0 | 0.0 | 39.0 | 2.4 | 3.0 | 3.4 | 0.0 |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 8.9 | 0.0 | - | 13.3 | 0.0 | 0.0 | - | - |
| 110.0 | 40.0 | 0.0 | 0.0 | 14.1 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 9.2 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 55.0 | - | - | 3.0 | 0.0 | 10.4 | - | 0.0 | - | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 26.9 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 21.3 | 3.1 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 2.9 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 0.0 | 22.5 | 0.0 | - | - | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 2.9 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 0.0 | 3.2 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 3.3 | 108.0 | 6.8 | 5.8 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 12.3 | 3.8 | 4.7 | 13.6 | 3.6 | 14.7 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 27.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.8 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 15.0 | - | - | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 3.2 | 0.0 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 9.4 | - | - | - | - |
| 119.0 | 33.0 | - | - | 0.0 | 0.0 | 8.2 | 17.1 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 3.7 | 20.2 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.1 | 3.3 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 60.0 | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 65.0 | - | - | - | 6.1 | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 45.0 | 0.0 | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 143.0 | 40.0 | 0.0 | 0.0 | 2.9 | - | 0.0 | - | - | - | - | - | - |

TABLE 4. (cont.)

Citharichthys xanthostigma

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|------|-------|-------|------|-------|------|------|------|------|
| 80.0 | 51.0 | 39.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 80.0 | 60.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 83.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.3 | - |
| 83.0 | 43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.5 | 0.0 | - |
| 83.0 | 48.0 | - | 2.5 | - | - | - | - | - | - | - | - | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | - | - | 0.0 | - | - |
| 87.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 14.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 | 35.0 | - | - | - | - | - | - | - | - | - | - | - |
| 97.0 | 50.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 2.7 | - | - | - | - | - |
| 100.0 | 35.0 | - | - | - | - | - | - | - | - | - | - | - |
| 100.0 | 55.0 | - | - | 0.0 | 4.6 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | - | - | - | 0.0 | - |
| 107.0 | 70.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 2.8 | 3.2 | - | 89.2 | 0.0 | 9.1 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | 7.3 | 0.0 | 7.4 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 3.1 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.6 | - | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | - | 0.0 | - | 24.9 | - | - |
| 110.0 | 75.0 | - | - | 0.0 | 0.0 | 3.2 | - | 0.0 | - | - | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 16.2 | 0.0 | 2.8 | - | - |
| 113.0 | 35.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.2 | 69.2 | 6.3 | 0.0 | - | - |
| 113.0 | 40.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.9 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - | - | - | - |
| 113.0 | 50.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 3.9 | - | - | 0.0 | - | - |
| 113.0 | 55.0 | - | - | 0.0 | 0.0 | 2.9 | 0.0 | - | - | - | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 7.1 | 0.0 | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | - | 0.0 | - | - | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 63.6 | 34.6 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 50.7 | 37.1 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 5.6 | 2.9 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 3.1 | 28.9 | - | - | - |
| 117.0 | 26.0 | 169.9 | 0.0 | 2.8 | 80.2 | 90.0 | 0.0 | 140.2 | 8.0 | 0.0 | - | - |
| 117.0 | 30.0 | 67.4 | 0.0 | 0.0 | 0.0 | 40.7 | 32.8 | 2.9 | 40.3 | 0.0 | - | - |
| 117.0 | 35.0 | 53.4 | 27.6 | 0.0 | 0.0 | 0.0 | 0.0 | 19.2 | 57.0 | 9.6 | - | - |
| 117.0 | 40.0 | 96.1 | 0.0 | 0.0 | 0.0 | 0.0 | 26.8 | 2.7 | 72.6 | 5.8 | - | - |
| 117.0 | 45.0 | - | - | 0.0 | 2.3 | 0.0 | 7.5 | - | - | - | - | - |
| 117.0 | 50.0 | 2.6 | 18.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 0.0 | - | - | 0.0 | - | - |
| 118.0 | 39.0 | 19.1 | 19.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 4.8 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 3.0 | 5.1 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 0.0 | 3.8 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 96.7 | - | - | - | - |
| 119.0 | 33.0 | - | - | 12.3 | 209.0 | 328.8 | 34.3 | 37.7 | 6.0 | 2.6 | - | - |
| 120.0 | 25.0 | 17.9 | 0.0 | 0.0 | 11.1 | 113.4 | 11.9 | 17.8 | 3.2 | 0.0 | - | - |
| 120.0 | 30.0 | 70.3 | 0.0 | 0.0 | 122.8 | 0.0 | 29.1 | 6.7 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Citharichthys xanhostigma (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|------|------|-------|-------|------|------|------|------|------|
| 120.0 | 35.0 | 286.7 | 0.0 | 15.2 | 12.0 | 140.2 | 137.8 | 0.0 | 0.0 | 2.3 | - | - |
| 120.0 | 40.0 | 25.8 | 0.0 | - | 74.5 | 0.0 | 5.7 | 8.1 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 19.4 | - | - | 55.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 2.5 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - | 0.0 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 8.0 | 6.0 | 0.0 | 0.0 | 0.0 | 9.4 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.2 | - | - | 5.1 | - | - |
| 123.0 | 55.0 | 27.2 | 2.9 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 123.0 | 60.0 | 0.0 | 5.7 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 127.0 | 34.0 | 2.6 | 12.2 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 70.4 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 3.5 | 0.0 | - | - |
| 127.0 | 45.0 | 140.6 | 21.9 | 0.0 | 3.6 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 5.3 | 0.0 | 10.6 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | 0.0 | 0.0 | 3.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 60.0 | 0.0 | 6.8 | 0.0 | - | 0.0 | 0.0 | - | - | 6.5 | - | - |
| 130.0 | 30.0 | 12.8 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 21.8 | 0.0 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | - | - |
| 130.0 | 40.0 | 7.8 | 8.1 | 0.0 | 0.0 | 3.1 | 26.4 | 8.3 | 6.6 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 21.6 | 3.0 | - | - | - |
| 130.0 | 80.0 | - | - | 0.0 | - | - | 0.0 | - | - | 7.7 | - | - |
| 133.0 | 25.0 | 55.2 | 30.7 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 6.0 | 0.0 | - | - |
| 133.0 | 30.0 | 161.2 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 28.2 | 0.0 | - | - |
| 133.0 | 35.0 | - | 0.0 | 3.0 | - | 0.0 | 17.1 | - | - | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | - | - | 3.1 | - | - |
| 133.0 | 70.0 | - | - | 2.9 | - | - | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 23.0 | 25.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.1 | 7.3 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 0.0 | 26.0 | - | - |
| 137.0 | 35.0 | 29.5 | 5.8 | - | - | 0.0 | 3.6 | - | - | 0.0 | - | - |
| 137.0 | 40.0 | 8.8 | 37.8 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 140.0 | 30.0 | 0.0 | 8.1 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 35.0 | 0.0 | 13.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 35.0 | 0.0 | 19.5 | 2.5 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 40.0 | 0.0 | 6.1 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 147.0 | 25.0 | 0.0 | 2.6 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 30.0 | 0.0 | 2.9 | 0.0 | - | - | - | - | - | - | - | - |
| 147.0 | 40.0 | 0.0 | 0.0 | 2.5 | - | - | - | - | - | - | - | - |
| 150.0 | 35.0 | 0.0 | - | 5.5 | - | - | - | - | - | - | - | - |

Etropus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.4 | 0.0 | - | - |

TABLE 4. (cont.)

Etropus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 115.0 | 27.0 | - | - | - | - | - | - | 5.8 | 0.0 | - | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 10.1 | 0.0 | - | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 3.0 | 0.0 | - | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 3.1 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 7.6 | 2.0 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 2.9 | 2.8 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.1 | 0.0 | - | - |

Hippoglossina stomata

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 100.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | - | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 7.3 | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 0.0 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 2.8 | 0.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.2 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 3.2 | 0.0 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 3.1 | - | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 5.8 | 3.0 | 2.6 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 55.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 8.7 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | 0.0 | - | 3.0 | 0.0 | - | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 2.9 | - | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 2.6 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.8 | 0.0 | 3.1 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 3.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 0.0 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 140.0 30.0 | - | 4.1 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 35.0 | - | 7.3 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 150.0 25.0 | - | 3.1 | 0.0 | 0.0 | - | - | - | - | - | - | - | - |

Paralichthys californicus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.0 40.0 | - | 17.4 | 0.0 | 0.0 | 16.9 | 1.8 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 43.0 | - | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 2.1 | - | - | 0.0 | 0.0 | - |
| 90.0 28.0 | - | 0.0 | 0.0 | 9.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 97.0 30.0 | - | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 4.2 | - |
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 11.3 | 0.0 | 0.0 | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | - | - |
| 115.0 35.0 | - | - | - | - | - | - | - | 2.8 | 2.9 | - | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 55.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 118.5 25.0 | - | - | - | - | - | - | - | 3.0 | 0.0 | - | - | - |
| 120.0 25.0 | 9.1 | 0.0 | 29.8 | 0.0 | 3.7 | 0.0 | 14.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 6.8 | - | - |
| 120.0 40.0 | 2.5 | 2.3 | 0.0 | - | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 34.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | - | - |
| 137.0 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | - | - |
| 137.0 35.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.7 | - | - |

Syacium ovale

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 137.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | - | - |
| 153.0 16.0 | - | 0.0 | - | 0.0 | - | 11.9 | - | - | - | - | - | - |
| 153.0 30.0 | - | 0.0 | - | 0.0 | - | 3.4 | - | - | - | - | - | - |
| 157.0 15.0 | - | - | - | 0.0 | - | 19.9 | - | - | - | - | - | - |
| 157.0 20.0 | - | 0.0 | - | 0.0 | - | 11.1 | - | - | - | - | - | - |
| 157.0 25.0 | - | - | - | 0.0 | - | 49.9 | - | - | - | - | - | - |

Xystreureys liolepis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.7 | 0.0 | 0.0 | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 9.7 | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Xystreureys liolepis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | - | - |

Glyptocephalus zachirus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 | 70.0 | - | - | - | 4.5 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 52.0 | - | - | - | 0.0 | 0.0 | 10.6 | - | - | - | - | - |
| 63.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 67.0 | 50.0 | - | - | - | 0.0 | 3.3 | - | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 3.5 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 70.0 | - | - | - | 4.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 80.0 | - | - | - | 0.0 | 3.1 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 83.0 | 55.0 | - | - | - | 6.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 4.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 11.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |

Hypsoptsetta guttulata

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 | 40.0 | - | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

Lyopsetta exilis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 55.0 | - | - | - | 4.8 | 3.0 | 0.0 | - | - | - | - | - |
| 60.0 | 60.0 | - | - | - | 0.0 | 3.1 | 6.5 | - | - | - | - | - |
| 60.0 | 70.0 | - | - | - | 4.5 | 0.0 | 0.0 | - | - | - | - | - |
| 63.0 | 52.0 | - | - | - | 0.0 | 7.4 | 0.0 | - | - | - | - | - |
| 63.0 | 55.0 | - | - | - | 8.5 | 7.3 | 10.1 | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 0.0 | 25.5 | 0.0 | - | - | - | - | - |
| 67.0 | 60.0 | - | - | - | 14.1 | 0.0 | 0.0 | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 8.2 | 3.1 | 0.0 | - | - | - | - | - |
| 73.0 | 50.0 | - | - | - | 6.1 | 7.1 | 0.0 | - | - | - | - | - |
| 73.0 | 55.0 | - | - | - | 0.0 | 15.4 | 13.7 | - | - | - | 0.0 | - |
| 73.0 | 60.0 | - | - | - | 4.6 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 73.0 | 90.0 | - | - | - | - | 3.4 | - | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 3.0 | 0.0 | - | - | - | - | - |
| 77.0 | 60.0 | - | - | - | 32.2 | 6.4 | 3.6 | - | - | - | - | - |
| 80.0 | 51.0 | - | - | - | 2.5 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 80.0 | 55.0 | 0.0 | 0.0 | 22.3 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 3.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.2 | 0.0 | - | - | 0.0 | - | 0.0 |

TABLE 4. (cont.)

Lyopsetta exilis (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 82.0 | 47.0 | 0.0 | 22.0 | 24.3 | 18.6 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 40.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | 12.0 | 5.7 | 6.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 52.0 | 0.0 | 2.7 | - | - | - | - | - | - | - | - | - |
| 86.0 | 46.0 | 16.4 | - | 4.9 | - | - | - | - | - | - | - | - |
| 87.0 | 35.0 | 5.3 | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 36.0 | - | 6.0 | 24.8 | 0.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 40.0 | 0.0 | 33.1 | 9.7 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 87.0 | 45.0 | - | 6.2 | - | 0.0 | 4.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 50.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 55.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 5.5 | 11.3 | 9.5 | 5.4 | 7.9 | 0.0 | - | - | 0.0 | 2.6 | 0.0 |
| 90.0 | 30.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 50.0 | - | - | - | 2.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | 0.0 | 0.0 | 0.0 | 23.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 27.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 45.0 | - | - | 14.9 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 50.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 30.0 | 0.0 | 15.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 3.5 | 5.2 | 9.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 2.9 | 1.4 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | - | 0.0 | 6.4 | 0.0 | - | 0.0 | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.7 | 0.0 | 0.0 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 5.7 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 33.7 | 6.2 | 23.0 | 102.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 27.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 3.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 118.0 | 39.0 | - | 19.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - |
| 119.0 | 33.0 | - | 6.5 | 0.0 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 0.0 | 12.0 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Microstomus pacificus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 | 60.0 | - | - | - | 4.7 | 0.0 | 0.0 | - | - | - | - | - |

TABLE 4. (cont.)

Microstomus pacificus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60.0 | 70.0 | - | - | - | 0.0 | 11.4 | 0.0 | - | - | - | - | - |
| 60.0 | 80.0 | - | - | - | 8.4 | 0.0 | - | - | - | - | - | - |
| 67.0 | 55.0 | - | - | - | 6.9 | 0.0 | 0.0 | - | - | - | - | - |
| 70.0 | 60.0 | - | - | - | 0.0 | 6.3 | 7.1 | - | - | - | 0.0 | - |
| 70.0 | 70.0 | - | - | - | 4.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 77.0 | 50.0 | - | - | - | 0.0 | 6.1 | 0.0 | - | - | - | - | - |
| 77.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 80.0 | 60.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 83.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 21.8 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - |
| 87.0 | 80.0 | - | - | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 0.0 |
| 90.0 | 55.0 | - | 0.0 | 0.0 | 23.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | - | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 90.0 | - | 0.0 | 6.6 | 0.0 | 3.3 | 0.0 | - | - | 0.0 | - | 0.0 |
| 93.0 | 50.0 | - | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 55.0 | - | 0.0 | 4.8 | 5.8 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 65.0 | - | - | - | 5.1 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 60.0 | - | - | 0.0 | 0.0 | 3.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 50.0 | - | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 60.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | 3.2 | - | - | - | - | - |

Parophrys vetulus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 73.0 | 70.0 | - | - | - | 16.5 | 0.0 | 0.0 | - | - | - | - | - |
| 80.0 | 51.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 83.0 | 40.0 | 39.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | 5.8 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | - | - | 0.0 | - | - |
| 83.0 | 48.0 | 12.0 | - | - | - | - | - | - | - | - | - | - |
| 87.0 | 35.0 | - | 2.5 | - | - | - | - | - | - | - | - | - |
| 87.0 | 36.0 | 10.7 | - | - | - | 0.0 | - | - | - | - | - | - |
| 87.0 | 40.0 | - | 24.1 | 8.3 | 5.9 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 | 28.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 | - |
| 90.0 | 45.0 | 0.0 | 13.5 | 23.7 | 2.7 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 27.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 35.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 97.0 | 30.0 | - | - | 3.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 97.0 | 40.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 97.0 | 40.0 | 0.0 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 100.0 | 29.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 14.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 | 32.0 | - | 0.0 | 25.5 | 0.0 | - | 0.0 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 2.4 | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |
| | | | 7.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Parophrys vetulus (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 113.0 | 30.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 115.0 | 30.0 | - | - | - | - | - | - | 10.1 | 0.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 8.5 | 16.7 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 3.1 | 3.8 | 0.0 | 6.8 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 3.0 | 0.0 | - | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Pleuronichthys spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 110.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 21.1 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | 3.1 | 0.0 | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 123.0 | 37.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |

Pleuronichthys coenosus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 63.0 | 70.0 | - | - | - | 0.0 | 0.0 | 3.8 | - | - | - | - | - |
| 77.0 | 55.0 | - | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 82.0 | 47.0 | - | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 27.0 | - | 0.0 | 0.0 | 18.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |

Pleuronichthys decurrens

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 87.0 | 50.0 | - | 0.0 | 27.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 55.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 2.6 | - |
| 93.0 | 65.0 | - | - | - | 0.0 | 3.7 | 0.0 | - | - | - | - | - |

Pleuronichthys ritteri

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 | 30.0 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | - | - |

TABLE 4. (cont.)

Pleuronichthys verticalis

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.0 40.0 | - | 2.9 | 0.0 | 0.0 | 33.8 | 1.8 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 51.0 | - | 0.0 | - | 0.0 | 0.0 | 3.5 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 36.0 | - | - | 0.0 | 0.0 | 5.9 | - | 0.0 | - | - | 0.0 | 0.0 | - |
| 90.0 28.0 | - | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 55.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 30.0 | - | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.1 | - |
| 103.0 30.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 107.0 32.0 | 0.0 | - | 0.0 | 6.4 | 0.0 | - | 0.0 | 1.7 | 0.0 | 0.0 | - | - |
| 110.0 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 1.8 | 6.2 | 17.3 | 2.7 | - | - | - |
| 115.0 27.0 | - | - | - | - | - | - | - | 3.4 | 0.0 | - | - | - |
| 115.0 30.0 | - | - | - | - | - | - | 13.6 | 38.0 | 5.3 | 0.0 | - | - |
| 117.0 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | - | - |
| 117.0 30.0 | 0.0 | 0.0 | 0.0 | 11.5 | 9.3 | 20.3 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | - | - |
| 118.5 25.0 | - | - | - | - | - | - | - | 0.0 | 2.5 | - | - | - |
| 119.0 33.0 | - | - | 13.0 | 0.0 | 0.0 | 13.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 25.0 | 0.0 | 6.0 | 0.0 | 0.0 | 7.4 | 2.5 | 3.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 3.3 | 0.0 | 0.0 | - | - |
| 120.0 40.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 120.0 45.0 | 0.0 | 0.0 | - | - | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | - | - |

Psettichthys melanostictus

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|-----------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 80.0 | - | - | - | - | 0.0 | 5.8 | - | - | - | - | - | - |
| 82.0 47.0 | - | 0.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 48.0 | - | - | 10.1 | - | - | - | - | - | - | - | - | - |
| 87.0 50.0 | - | 0.0 | 35.0 | 0.0 | 1.8 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

Symphurus spp.

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 83.0 51.0 | - | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 0.0 | - |
| 90.0 30.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.4 | 0.0 | 0.0 |
| 107.0 35.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.6 | - | - |
| 110.0 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 4.8 | 0.0 | 0.0 | - | - |
| 110.0 35.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 2.9 | 3.5 | 0.0 | - | - |
| 110.0 45.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 113.0 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.6 | 0.0 | 0.0 | - | - |
| 113.0 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 25.0 | 0.0 | - | - |
| 113.0 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 0.0 | - | - |
| 115.0 27.0 | - | - | - | - | - | - | - | 46.2 | 8.0 | - | - | - |

TABLE 4. (cont.)

Symphurus spp. (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|-------|------|------|------|------|
| 115.0 | 30.0 | - | - | - | - | - | - | 20.3 | 6.2 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 23.4 | - | - | - |
| 115.0 | 40.0 | - | - | - | - | - | - | 3.1 | 19.3 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.3 | 18.6 | 15.1 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 126.0 | 0.0 | 2.3 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.2 | 3.0 | 7.2 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 33.0 | 0.0 | - | - |
| 118.5 | 25.0 | - | - | - | - | - | - | 51.3 | 15.2 | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | - | 25.5 | 37.5 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 18.7 | - | - | - | - |
| 119.0 | 33.0 | - | - | - | - | - | - | 174.0 | 95.4 | 10.4 | - | - |
| 120.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44.4 | 3.2 | 2.5 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 33.4 | 61.8 | 38.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 10.7 | 77.7 | 18.2 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 1.9 | 77.1 | 8.9 | 0.0 | - | - |
| 120.0 | 45.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 | 11.7 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 5.4 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | - | - |
| 123.0 | 42.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 9.1 | 0.0 | 0.0 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 2.5 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.8 | 0.0 | 0.0 | - | - |
| 127.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | - | - |
| 130.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 2.6 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.7 | 0.0 | 0.0 | - | - |
| 130.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 5.3 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 0.0 | 10.8 | 0.0 | - | - | - |
| 130.0 | 70.0 | - | - | 0.0 | - | - | 0.0 | - | - | 3.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 3.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.1 | 21.2 | 0.0 | - | - |
| 133.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 6.1 | - | - |
| 137.0 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.3 | 21.8 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 19.7 | 0.0 | - | - |
| 137.0 | 35.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | - | 3.7 | - | - |
| 157.0 | 25.0 | 0.0 | - | 0.0 | - | 5.5 | - | - | - | - | - | - |
| 157.0 | 30.0 | 5.9 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |

Disintegrated fish larva

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 60.0 | 60.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 63.0 | 90.0 | - | - | - | - | 3.6 | - | - | - | - | - | - |
| 67.0 | 70.0 | - | - | - | 4.1 | 3.1 | 0.0 | - | - | - | 0.0 | - |
| 70.0 | 80.0 | - | - | - | 0.0 | 12.8 | - | - | - | - | - | - |
| 73.0 | 90.0 | - | - | - | - | 3.4 | - | - | - | - | - | - |

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 77.0 | 55.0 | - | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 80.0 | 51.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.8 | - | 0.0 |
| 80.0 | 55.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 3.0 | 3.1 | 0.0 |
| 80.0 | 60.0 | 0.0 | 0.0 | 25.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 7.3 |
| 80.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | 0.0 |
| 82.0 | 47.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 40.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 51.0 | 0.0 | - | 0.0 | 0.0 | 3.5 | 2.4 | - | - | 0.0 | 0.0 | - |
| 83.0 | 55.0 | - | - | - | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 83.0 | 60.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 65.0 | - | - | - | - | 0.0 | 6.6 | - | - | - | - | - |
| 83.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 86.0 | 46.0 | 16.4 | - | 4.9 | - | - | - | - | - | 5.3 | - | - |
| 87.0 | 40.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | - | - | - | - | - | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 80.0 | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - | - |
| 90.0 | 28.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 30.0 | 0.0 | 66.6 | 0.0 | 1.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 37.0 | 0.0 | 48.2 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 1.3 | 0.0 | 0.0 |
| 90.0 | 60.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 90.0 | 70.0 | 0.0 | 11.2 | 5.8 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 90.0 | 90.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | 0.0 |
| 93.0 | 30.0 | 5.3 | 8.9 | 0.0 | 2.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 40.0 | 0.0 | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 93.0 | 45.0 | - | - | 24.7 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 93.0 | 50.0 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | - | - | - | 0.0 | - |
| 93.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 93.0 | 80.0 | - | - | 0.0 | 2.7 | 0.0 | 5.2 | - | - | - | 3.1 | - |
| 97.0 | 30.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | - | - | - | 0.0 | - |
| 97.0 | 40.0 | 6.2 | 6.2 | 0.0 | 0.0 | 0.0 | 2.3 | - | - | - | 0.0 | - |
| 97.0 | 65.0 | - | - | - | 5.8 | 3.5 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 70.0 | 0.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 97.0 | 75.0 | - | - | - | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 97.0 | 90.0 | - | - | 0.0 | 0.0 | 0.0 | 2.5 | - | - | - | 3.1 | - |
| 100.0 | 29.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |
| 100.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 2.8 | - |
| 100.0 | 65.0 | - | - | 0.0 | 3.0 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 70.0 | 0.0 | - | 1.8 | 0.0 | 0.0 | - | - | - | - | 0.0 | - |
| 100.0 | 75.0 | - | - | - | 2.3 | 0.0 | 0.0 | - | - | - | - | - |
| 103.0 | 45.0 | - | - | 3.1 | 0.0 | 3.1 | 0.0 | - | - | - | - | - |
| 103.0 | 50.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | 0.0 |

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 103.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.0 | - | - | - | 0.0 | - |
| 103.0 | 70.0 | 0.0 | 6.2 | 3.2 | 0.0 | 0.0 | 0.0 | - | - | - | 3.3 | - |
| 103.0 | 80.0 | - | - | 3.0 | 10.3 | 0.0 | - | - | - | - | 0.0 | - |
| 103.0 | 85.0 | - | - | - | 0.0 | 3.3 | - | - | - | - | - | - |
| 107.0 | 35.0 | - | 0.0 | 0.0 | 0.0 | 3.4 | 3.5 | - | - | 0.0 | - | - |
| 107.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 45.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | 3.2 | - | - | - | - | - |
| 107.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | - | - | 4.3 | - | - |
| 107.0 | 55.0 | - | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 60.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 6.8 | - | - | 0.0 | - | 3.7 |
| 107.0 | 65.0 | - | 0.0 | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 107.0 | 70.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 107.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 107.0 | 85.0 | - | - | - | 7.1 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 0.0 | 2.9 | 0.0 | 27.3 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.7 | 7.3 | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 4.4 | 0.0 | 2.5 | - | - |
| 110.0 | 40.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 45.0 | - | - | 0.0 | 0.0 | 0.0 | - | 3.2 | - | - | - | - |
| 110.0 | 50.0 | 0.0 | 7.5 | 0.0 | 0.0 | 3.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 55.0 | - | 0.0 | 0.0 | 6.3 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | 0.0 | - | 0.0 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 4.3 | - | 3.3 | - | 0.0 |
| 110.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 3.4 | - | 0.0 | - | - |
| 110.0 | 80.0 | 0.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - |
| 110.0 | 90.0 | 0.0 | - | 0.0 | 0.0 | 2.4 | - | 0.0 | - | 8.4 | - | - |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 3.1 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 2.9 | - | - | - |
| 113.0 | 45.0 | - | 0.0 | 2.8 | 2.7 | 0.0 | 0.0 | - | - | 2.4 | - | - |
| 113.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | - | - | 0.0 | - | - |
| 113.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | - | - | 0.0 | - | - |
| 115.0 | 27.0 | - | 0.0 | 0.0 | - | - | - | 5.8 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 0.0 | 5.8 | - | - | - |
| 117.0 | 26.0 | 9.4 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | - | - |
| 117.0 | 30.0 | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 117.0 | 45.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 117.0 | 60.0 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 117.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.7 | - | - | - | - | - |
| 117.0 | 75.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 118.5 | 25.0 | - | - | - | - | 5.6 | - | - | - | - | - | - |
| 118.5 | 30.0 | - | - | - | - | - | 0.0 | 9.1 | 0.0 | - | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 3.2 | 0.0 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.2 | 0.0 | 5.2 | - | - |
| | | | | | | | 0.0 | 5.8 | 0.0 | - | - | - |

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 120.0 | 25.0 | 0.0 | 11.9 | 0.0 | 0.0 | 7.6 | 0.0 | 5.9 | 0.0 | 2.5 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 6.0 | 0.0 | - | - |
| 120.0 | 40.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 1.9 | 8.1 | 0.0 | 0.0 | - | - |
| 120.0 | 45.0 | 2.8 | 0.0 | - | 0.0 | 12.8 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 120.0 | 50.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 60.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 70.0 | 0.0 | 6.0 | 0.0 | 2.5 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 75.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 120.0 | 80.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 120.0 | 90.0 | - | - | - | - | 3.0 | - | - | - | 3.0 | - | - |
| 123.0 | 37.0 | 2.5 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 123.0 | 42.0 | 2.8 | 0.0 | 0.0 | 0.0 | 6.2 | 3.1 | 3.3 | 0.0 | 0.0 | - | - |
| 123.0 | 45.0 | - | - | - | - | - | - | 6.1 | 0.0 | 0.0 | - | - |
| 123.0 | 70.0 | - | - | - | - | - | 0.0 | - | - | 3.1 | - | - |
| 123.0 | 80.0 | - | - | - | - | - | 0.0 | - | - | 3.0 | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 2.6 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 60.0 | 0.0 | 2.7 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.1 | 0.0 | - | - |
| 130.0 | 45.0 | - | - | - | - | 0.0 | 5.9 | 2.7 | 3.0 | - | - | - |
| 130.0 | 50.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 3.1 | - | - | 0.0 | - | - |
| 130.0 | 70.0 | - | - | - | - | - | 0.0 | - | - | 3.0 | - | - |
| 130.0 | 80.0 | - | - | - | - | - | 0.0 | - | - | 3.9 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 3.5 | 0.0 | - | - |
| 133.0 | 40.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 6.6 | 0.0 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 18.2 | - | 0.0 | - | - |
| 137.0 | 40.0 | 0.0 | 0.0 | 9.5 | - | 0.0 | 0.0 | - | - | - | - | - |
| 150.0 | 40.0 | 0.0 | 0.0 | 13.0 | - | - | - | - | - | - | - | - |
| 157.0 | 15.0 | - | - | 2.8 | - | 6.6 | - | - | - | - | - | - |

Unidentified fish larva

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| 80.0 | 60.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 70.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | - | - | 0.0 | 0.0 | 0.0 |
| 80.0 | 90.0 | - | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | - | - | 0.0 | - | 0.0 |
| 82.0 | 47.0 | - | 2.8 | 0.0 | 0.0 | 0.0 | 2.6 | - | - | 0.0 | 0.0 | - |
| 83.0 | 40.0 | - | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 43.0 | - | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | - | - | 0.0 | 0.0 | - |
| 83.0 | 51.0 | - | - | 0.0 | 0.0 | 3.5 | 2.4 | - | - | 0.0 | 0.0 | - |
| 83.0 | 55.0 | - | - | 0.0 | 0.0 | 0.0 | 11.4 | - | - | - | 0.0 | - |
| 87.0 | 45.0 | - | 0.0 | - | 13.9 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |

TABLE 4. (cont.)

Unidentified fish larva (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|-------|------|------|-----|------|------|------|------|------|------|------|
| 87.0 | 50.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 87.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | - | - | 0.0 | 0.0 | - |
| 93.0 | 27.0 | 11.5 | 0.0 | 0.0 | 0.0 | 7.4 | 2.1 | - | - | 0.0 | 0.0 | - |
| 93.0 | 70.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - |
| 97.0 | 32.0 | 417.8 | - | 0.0 | 0.0 | 3.5 | 0.0 | - | - | - | 0.0 | 0.0 |
| 97.0 | 65.0 | - | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 100.0 | 29.0 | 0.0 | - | 0.0 | - | - | 5.6 | - | - | - | - | - |
| 100.0 | 32.0 | - | - | - | 2.3 | 0.0 | 0.0 | - | - | - | - | - |
| 100.0 | 75.0 | - | - | - | 0.0 | 0.0 | 0.0 | - | - | - | 0.0 | - |
| 103.0 | 30.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 2.7 | - | - | - | - | - |
| 103.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | - | - | - | - | - |
| 103.0 | 90.0 | - | - | 3.1 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 107.0 | 32.0 | - | 0.0 | 0.0 | 0.0 | - | 0.0 | - | - | - | - | - |
| 107.0 | 90.0 | - | - | 2.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 110.0 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 5.6 | 0.0 | 0.0 | - | - |
| 110.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.5 | 0.0 | 0.0 | - | - |
| 110.0 | 60.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.5 | - | - |
| 110.0 | 65.0 | - | - | - | 0.0 | 0.0 | - | 4.3 | - | - | - | - |
| 110.0 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | - | 3.3 | - | 6.4 |
| 113.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 2.7 | 0.0 | 0.0 | - | - |
| 113.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 | - | - |
| 113.0 | 40.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 113.0 | 45.0 | - | - | 0.0 | 2.7 | 0.0 | 0.0 | - | - | - | - | - |
| 113.0 | 65.0 | - | - | - | 0.0 | 0.0 | 3.4 | - | - | - | - | - |
| 113.0 | 75.0 | - | - | - | 0.0 | 0.0 | 3.3 | - | - | - | - | - |
| 113.0 | 80.0 | - | - | 0.0 | 0.0 | 5.0 | 0.0 | - | 0.0 | - | - | - |
| 115.0 | 27.0 | - | - | - | - | - | - | 2.9 | 0.0 | - | - | - |
| 115.0 | 35.0 | - | - | - | - | - | - | 2.8 | 0.0 | - | - | - |
| 117.0 | 26.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | - | - |
| 117.0 | 30.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 117.0 | 40.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | - | - |
| 117.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | - | - |
| 117.0 | 70.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 118.5 | 25.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | - | - |
| 118.5 | 35.0 | - | - | - | - | - | - | 71.8 | 0.0 | - | - | - |
| 119.0 | 33.0 | - | 0.0 | 0.0 | 0.0 | 0.0 | 13.7 | 0.0 | 0.0 | 2.6 | - | - |
| 120.0 | 25.0 | 6.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 2.5 | - | - |
| 120.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.0 | 0.0 | 0.0 | - | - |
| 120.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 2.1 | 6.0 | 0.0 | - | - |
| 120.0 | 40.0 | 1.3 | 0.0 | - | 0.0 | 0.0 | 1.9 | 10.1 | 3.0 | 5.0 | - | - |
| 120.0 | 45.0 | 5.6 | - | - | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 5.6 | - | - |
| 120.0 | 70.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 120.0 | 80.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 123.0 | 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 0.0 | 5.4 | - | - |
| 123.0 | 50.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 5.8 | - | - | 0.0 | - | - |

TABLE 4. (cont.)

Unidentified fish larva (cont.)

| STATION | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEP. | OCT. | NOV. | DEC. |
|---------|------|------|------|------|-----|------|------|------|------|------|------|------|
| 123.0 | 55.0 | - | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | - | - | - | - | - |
| 127.0 | 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 0.0 | 0.0 | - | - |
| 127.0 | 40.0 | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | - | - |
| 127.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 127.0 | 55.0 | - | 0.0 | 0.0 | - | 2.3 | 0.0 | - | - | - | - | - |
| 130.0 | 30.0 | 0.0 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 35.0 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - |
| 130.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 0.0 | - | 0.0 | - | - |
| 133.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.2 | 0.0 | 0.0 | - | - |
| 133.0 | 30.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 6.7 | 3.5 | 0.0 | 3.0 | - | - |
| 133.0 | 35.0 | 0.0 | 21.8 | 0.0 | - | 0.0 | 0.0 | - | - | 2.7 | - | - |
| 133.0 | 45.0 | - | 3.2 | 0.0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 133.0 | 50.0 | - | - | 0.0 | 0.0 | 0.0 | 3.6 | - | - | - | - | - |
| 133.0 | 80.0 | - | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | 3.1 | - | - |
| 137.0 | 23.0 | 0.0 | - | 0.0 | - | - | 0.0 | - | - | 4.1 | - | - |
| 137.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 25.8 | 3.6 | - | - |
| 137.0 | 35.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 33.3 | 3.3 | 0.0 | - | - |
| 137.0 | 40.0 | 2.7 | 0.0 | - | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | - | 0.0 | 9.5 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | - | - |
| 137.0 | 50.0 | 0.0 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | - | - | 2.9 | - | - |
| 140.0 | 35.0 | 0.0 | 0.0 | 0.0 | - | 0.0 | 0.0 | - | - | - | - | - |
| 140.0 | 40.0 | 2.8 | 2.8 | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 140.0 | 45.0 | 0.0 | 0.0 | 2.3 | - | 0.0 | - | - | - | - | - | - |
| 143.0 | 26.0 | - | 2.9 | 0.0 | - | - | - | - | - | - | - | - |
| 148.0 | 20.0 | - | - | - | - | 5.8 | - | - | - | - | - | - |
| 148.0 | 25.0 | - | - | - | - | 3.7 | - | - | - | - | - | - |
| 153.0 | 16.0 | 0.0 | - | 0.0 | - | 6.0 | - | - | - | - | - | - |
| 153.0 | 25.0 | - | - | 0.0 | - | 9.8 | - | - | - | - | - | - |
| 153.0 | 30.0 | 18.1 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 20.0 | 10.5 | - | 0.0 | - | 5.6 | - | - | - | - | - | - |
| 157.0 | 25.0 | - | - | 0.0 | - | 22.2 | - | - | - | - | - | - |
| 157.0 | 30.0 | 29.4 | - | 0.0 | - | 0.0 | - | - | - | - | - | - |
| 157.0 | 35.0 | - | - | 2.7 | - | - | - | - | - | - | - | - |
| 157.0 | 40.0 | - | - | 2.8 | - | 0.0 | - | - | - | - | - | - |

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as Table 4.

| Name | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Albula vulpes</i> | 3 | - | - | - | - | - | 1 | - | - | - |
| Anquilliformes | 35 | 26 | 15 | 30 | 4 | 11 | 33 | 36 | 33 | 16 |
| <i>Etrumeus acuminatus</i> | 25 | 18 | 28 | 28 | 5 | 8 | 27 | 45 | 31 | 29 |
| <i>Opisthonema</i> spp. | 1 | 4 | - | 1 | - | 4 | 3 | 4 | 1 | - |
| <i>Sardinops sagax</i> | 167 | 269 | 221 | 375 | 255 | 167 | 174 | 193 | 172 | 142 |
| Engraulidae | - | - | - | - | 1 | - | - | 2 | 2 | - |
| <i>Engraulis mordax</i> | 394 | 524 | 686 | 760 | 569 | 537 | 581 | 785 | 888 | 979 |
| Alepocephalidae | 2 | - | - | - | 1 | - | - | - | - | - |
| <i>Argentina sialis</i> | 55 | 68 | 89 | 110 | 81 | 77 | 56 | 31 | 30 | 53 |
| <i>Microstoma microstoma</i> | 21 | 28 | 18 | 39 | 22 | 17 | 16 | 34 | 25 | 23 |
| <i>Nansenia candida</i> | 29 | 17 | 18 | 27 | 8 | 13 | 7 | 17 | 13 | 20 |
| <i>Nansenia crassa</i> | 50 | 63 | 65 | 47 | 61 | 32 | 74 | 49 | 27 | 38 |
| <i>Bathylagus</i> spp. | - | - | - | 1 | 3 | 1 | 4 | 13 | 7 | 3 |
| <i>Bathylagus milleri</i> | 1 | - | - | 1 | 1 | 2 | - | 1 | 1 | 1 |
| <i>Bathylagus ochotensis</i> | 153 | 222 | 208 | 195 | 162 | 171 | 111 | 237 | 106 | 190 |
| <i>Bathylagus pacificus</i> | 12 | 15 | 4 | 11 | 2 | - | 2 | 24 | 13 | 2 |
| <i>Bathylagus wesethi</i> | 259 | 370 | 258 | 365 | 286 | 157 | 298 | 377 | 275 | 184 |
| <i>Leuroglossus schmidti</i> | - | - | - | - | - | 3 | - | - | - | - |
| <i>Leuroglossus stilbius</i> | 402 | 502 | 612 | 517 | 508 | 465 | 343 | 350 | 324 | 505 |
| Osmeridae | - | - | - | - | - | 2 | - | - | - | 2 |
| Stomiliformes | - | 1 | 16 | 6 | 3 | 3 | 2 | 9 | 13 | 17 |
| <i>Cyclothone</i> spp. | 253 | 283 | 161 | 184 | 184 | 74 | 240 | 317 | 514 | 271 |
| <i>Diplophos taenia</i> | 8 | 1 | - | 4 | 1 | 3 | 3 | 28 | 36 | 18 |
| <i>Ichthyococcus</i> spp. | 16 | 23 | 12 | 26 | 30 | - | 18 | 37 | 43 | 8 |
| <i>Vinciguerrria lucetia</i> | 532 | 474 | 329 | 425 | 338 | 225 | 574 | 882 | 1209 | 635 |
| Sternoptychidae | 38 | 67 | 68 | 49 | 41 | 29 | 63 | 86 | 94 | 66 |
| <i>Chauliodus macouni</i> | 55 | 69 | 47 | 54 | 49 | 54 | 48 | 75 | 72 | 69 |
| <i>Idiacanthus antrostomus</i> | 48 | 31 | 14 | 19 | 10 | 6 | 19 | 33 | 38 | 36 |
| <i>Aristostomias scintillans</i> | 16 | 8 | 10 | 2 | 4 | 2 | 10 | 11 | 11 | 5 |
| <i>Bathophilus</i> spp. | 4 | - | 2 | 1 | 5 | 3 | 4 | 4 | 7 | 10 |
| <i>Tactostoma macropus</i> | 20 | 15 | - | 11 | - | - | 9 | 2 | 2 | 7 |
| <i>Stomias atriventer</i> | 96 | 120 | 86 | 124 | 87 | 20 | 67 | 182 | 181 | 142 |
| Myctophiiformes | - | - | - | - | - | - | - | - | - | 2 |
| <i>Anotopterus pharao</i> | 1 | - | - | - | - | - | 1 | - | - | - |
| Evermannellidae | - | - | - | - | 1 | - | - | - | 6 | 3 |
| Paralepididae | 169 | 179 | 95 | 123 | 80 | 59 | 92 | 145 | 165 | 108 |
| <i>Aulopus</i> spp. | 1 | - | - | - | - | - | 1 | - | - | - |
| <i>Scopelosaurus</i> spp. | - | - | - | - | 1 | - | - | - | 16 | 15 |
| Scopelarchidae | 59 | 54 | 17 | 28 | 34 | 16 | 43 | 50 | 93 | 63 |
| Myctophidae | 99 | 186 | 59 | 53 | 60 | 55 | 175 | 174 | 245 | 317 |
| <i>Ceratoscopus townsendi</i> | 140 | 78 | 33 | 41 | 58 | 36 | 165 | 159 | 373 | 156 |
| <i>Diaphus</i> spp. | 116 | 156 | 63 | 111 | 81 | 101 | 66 | 90 | 103 | 76 |
| <i>Lampadena urophaos</i> | 39 | 22 | - | 10 | 10 | 14 | 63 | 44 | 120 | 46 |
| <i>Lampanyctus</i> spp. | 576 | 555 | 393 | 154 | 58 | 45 | 125 | 121 | 260 | 209 |
| <i>Lampanyctus regalis</i> | - | - | - | 19 | 19 | 14 | 26 | 28 | 46 | 12 |
| <i>Lampanyctus ritteri</i> | - | - | - | 308 | 296 | 214 | 306 | 416 | 429 | 311 |

TABLE 5. (cont.)

| Name | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Notolychnus valdiviae</i> | 5 | 4 | 4 | 2 | 1 | 2 | - | 1 | 3 | 12 |
| <i>Notoscopelus resplendens</i> | 16 | 4 | 10 | 8 | 23 | 1 | 31 | 24 | 76 | 64 |
| <i>Stenobrachius leucopsarus</i> | 369 | 405 | 365 | 452 | 251 | 395 | 267 | 361 | 327 | 386 |
| <i>Triphoturus mexicanus</i> | 589 | 715 | 573 | 565 | 475 | 322 | 641 | 768 | 1069 | 808 |
| <i>Centrobranchus</i> spp. | - | - | - | - | - | - | - | - | - | 1 |
| <i>Diogenichthys</i> spp. | 10 | 3 | 2 | - | 6 | 3 | 30 | 35 | 79 | 97 |
| <i>Diogenichthys atlanticus</i> | 109 | 112 | 68 | 87 | 90 | 85 | 109 | 126 | 116 | 121 |
| <i>Diogenichthys laternatus</i> | 230 | 233 | 232 | 346 | 265 | 113 | 412 | 416 | 442 | 210 |
| <i>Electrona rissoi</i> | 15 | 4 | 4 | - | 1 | - | - | - | 2 | 1 |
| <i>Gonichthys tenuiculus</i> | 49 | 44 | 38 | 45 | 37 | 12 | 81 | 126 | 181 | 55 |
| <i>Hygophum</i> spp. | 29 | 20 | 23 | 10 | 6 | 6 | 15 | 47 | 91 | 73 |
| <i>Hygophum atratum</i> | 47 | 35 | 33 | 36 | 43 | 22 | 88 | 96 | 138 | 21 |
| <i>Hygophum proximum</i> | - | - | - | - | - | - | - | - | - | 2 |
| <i>Hygophum reinhardtii</i> | 17 | 14 | 1 | 5 | 13 | 7 | 20 | 6 | 16 | 44 |
| <i>Loweina rara</i> | 19 | 18 | 33 | 29 | 14 | 5 | 7 | 8 | 9 | 10 |
| <i>Myctophum aurolaternatum</i> | 6 | - | - | 1 | 1 | 4 | 3 | 13 | 4 | 4 |
| <i>Myctophum nitidulum</i> | 30 | 34 | 7 | 11 | 13 | 13 | 27 | 56 | 105 | 43 |
| <i>Protomyctophum crockeri</i> | 370 | 345 | 211 | 293 | 312 | 243 | 254 | 360 | 424 | 417 |
| <i>Symbolophorus californiensis</i> | 206 | 183 | 132 | 146 | 102 | 60 | 142 | 216 | 191 | 109 |
| <i>Tarletonbeania crenularis</i> | 306 | 399 | 243 | 164 | 103 | 236 | 116 | 90 | 113 | 222 |
| <i>Synodus</i> spp. | 41 | 63 | 44 | 82 | 41 | 39 | 70 | 53 | 66 | 51 |
| <i>Bregmaceros</i> spp. | 2 | - | - | 1 | 3 | - | 13 | 11 | 13 | 19 |
| <i>Merluccius productus</i> | 351 | 366 | 417 | 543 | 439 | 365 | 331 | 541 | 340 | 468 |
| Moridae | 1 | - | - | - | - | - | 5 | - | - | - |
| <i>Physiculus</i> spp. | 9 | - | - | - | - | 2 | 8 | 5 | 2 | 3 |
| Macrouridae | 5 | 4 | 6 | 15 | 3 | 6 | 2 | 7 | 3 | 4 |
| Ophidiiformes | 68 | 53 | 52 | 37 | 26 | 37 | 74 | 61 | 43 | 41 |
| <i>Brosmophycis marginata</i> | 9 | 18 | 9 | 19 | 6 | 12 | 14 | 16 | 10 | 3 |
| Carapidae | 2 | 1 | 1 | 3 | 1 | 2 | - | 4 | - | 1 |
| <i>Chilara taylori</i> | 6 | 17 | - | 8 | 14 | 9 | 6 | 15 | 17 | 8 |
| <i>Ophidion scrippsae</i> | 17 | 13 | 5 | 17 | 4 | 19 | 53 | 15 | 44 | 43 |
| <i>Porichthys</i> spp. | 2 | - | 1 | - | - | - | - | - | - | 1 |
| Antennariidae | 1 | - | - | - | - | - | 1 | - | - | - |
| Ceratioidei | 3 | 3 | - | 2 | - | 2 | 16 | 16 | 50 | 19 |
| Lophiidae | - | - | - | - | - | - | - | - | - | - |
| Gobiesocidae | - | 1 | - | - | 1 | - | 1 | 1 | 1 | 1 |
| Exocoetidae | 8 | 2 | 6 | 1 | - | 1 | 5 | 1 | 6 | - |
| Hemiramphidae | 5 | - | - | - | - | - | - | - | - | - |
| <i>Cololabis saira</i> | 53 | 28 | 42 | 22 | 54 | 23 | 14 | 28 | 20 | 16 |
| Atherinidae | 2 | 6 | 3 | 7 | 3 | 3 | 1 | 2 | 1 | 1 |
| Trachipteridae | 32 | 40 | 28 | 17 | 13 | 12 | 28 | 31 | 12 | 32 |
| <i>Melamphaes</i> spp. | 221 | 233 | 151 | 189 | 166 | 138 | 212 | 238 | 209 | 157 |
| <i>Poromitra</i> spp. | 1 | 4 | 12 | 28 | 4 | 18 | 21 | 4 | 17 | 19 |
| <i>Scopeloberyx robustus</i> | - | - | - | 15 | 6 | 5 | 26 | 27 | 60 | 26 |
| <i>Scopelogadus bispinosus</i> | 4 | 4 | 1 | - | - | - | - | 1 | - | - |
| Fistulariidae | - | - | - | - | - | - | - | - | - | - |
| <i>Macroramphosus gracilis</i> | 1 | - | - | - | 2 | - | 2 | - | 1 | 1 |
| <i>Syngnathus</i> spp. | 5 | 6 | 12 | 4 | 6 | 2 | 5 | 2 | 3 | 7 |

TABLE 5. (cont.)

| Name | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| Agonidae | 2 | 4 | 12 | 23 | 10 | 7 | 11 | 11 | 8 | 8 |
| <i>Anoplopoma fimbria</i> | - | 1 | 1 | - | - | - | - | - | - | - |
| Cottidae | 24 | 36 | 22 | 49 | 57 | 37 | 31 | 20 | 27 | 30 |
| <i>Scorpaenichthys marmoratus</i> | 6 | 18 | 3 | 17 | 4 | 13 | 3 | 6 | 4 | 6 |
| Cyclopteridae | 4 | 13 | 16 | 8 | 5 | 8 | 3 | 4 | 2 | 11 |
| Hexagrammidae | 1 | - | - | - | - | - | 1 | 2 | - | 1 |
| <i>Ophiodon elongatus</i> | - | 1 | - | - | 2 | 1 | 1 | 3 | - | - |
| <i>Oxylebius pictus</i> | - | 1 | 4 | 3 | 4 | 7 | 4 | 12 | 3 | 9 |
| <i>Zaniolepis</i> spp. | - | 1 | 9 | 5 | - | 9 | 2 | 6 | 6 | 9 |
| Scorpaenidae | 10 | 9 | 2 | - | - | 1 | 1 | - | 2 | 2 |
| <i>Scorpaena</i> spp. | - | - | - | - | - | 15 | 30 | 9 | 28 | 29 |
| <i>Sebastes</i> spp. | 600 | 686 | 771 | 841 | 537 | 613 | 558 | 665 | 602 | 572 |
| <i>Sebastolobus</i> spp. | 24 | 16 | 2 | 1 | - | 2 | 5 | 25 | 10 | 25 |
| <i>Prionotus</i> spp. | 24 | 19 | 12 | 13 | - | 19 | 30 | 25 | 28 | 17 |
| Blennioidei | 2 | - | - | - | - | 1 | 2 | - | - | 1 |
| Bathymasteridae | - | - | - | - | - | - | - | - | - | 1 |
| <i>Hypsoblennius</i> spp. | 18 | 32 | 38 | 27 | 14 | 11 | 26 | 51 | 59 | 47 |
| Clinidae | 7 | 4 | 12 | 19 | 15 | 17 | 14 | 20 | 15 | 18 |
| Gobiidae | 116 | 107 | 61 | 113 | 56 | 71 | 93 | 84 | 108 | 67 |
| <i>Icosteus aenigmaticus</i> | 1 | 4 | - | - | - | 1 | - | - | 2 | 3 |
| Labridae | 74 | 135 | 93 | 124 | 57 | 39 | 97 | 82 | 122 | 75 |
| Pomacentridae | - | - | - | 14 | - | 8 | 24 | 9 | 18 | 2 |
| <i>Chromis punctipinnis</i> | 37 | 27 | - | 21 | 4 | 18 | 12 | 16 | 16 | 38 |
| <i>Hypsypops rubicundus</i> | - | - | - | - | - | - | - | - | 2 | - |
| <i>Mugil</i> spp. | 2 | - | - | 1 | - | 2 | 1 | - | 9 | 3 |
| Apogonidae | 1 | - | 2 | 2 | - | - | - | 3 | 5 | 4 |
| <i>Brama</i> spp. | 4 | 1 | - | 2 | 2 | - | 15 | 5 | 9 | 6 |
| Carangidae | 15 | 14 | - | 9 | - | 9 | 10 | 15 | 26 | 12 |
| <i>Seriola</i> spp. | - | - | - | 1 | 2 | - | - | - | 1 | 1 |
| <i>Seriola lalandi</i> | - | 5 | - | 5 | - | 11 | 36 | 7 | 36 | 21 |
| <i>Trachurus symmetricus</i> | 372 | 419 | 322 | 373 | 369 | 217 | 295 | 328 | 286 | 227 |
| <i>Coryphaena hippurus</i> | - | - | - | - | - | 6 | 24 | 13 | 27 | 7 |
| Gerreidae | - | - | - | - | - | - | 13 | 5 | 7 | 8 |
| Haemulidae | - | - | - | - | - | - | 14 | 6 | 11 | 17 |
| <i>Girella nigricans</i> | - | 5 | - | 1 | - | 3 | 3 | 4 | 2 | 4 |
| <i>Medialuna californiensis</i> | 9 | 11 | - | 17 | 5 | 5 | 12 | 2 | 1 | 4 |
| <i>Caulolatilus princeps</i> | - | - | - | 12 | 4 | 8 | 10 | 2 | 10 | 9 |
| Mullidae | - | - | - | - | - | - | - | - | 6 | - |
| Priacanthidae | - | - | - | - | - | - | - | - | 1 | - |
| Sciaenidae | 12 | 61 | 30 | 90 | 61 | 58 | 70 | 76 | 71 | 74 |
| Serranidae | 20 | 29 | 10 | 29 | 1 | 8 | 17 | 31 | 66 | 39 |
| Gempylidae | 2 | 1 | - | 1 | 2 | - | - | 6 | 4 | 10 |
| Scombridae | - | 1 | - | 1 | - | - | 7 | 4 | 3 | 40 |
| <i>Auxis</i> spp. | 9 | 1 | 1 | 1 | - | 9 | 23 | 3 | 20 | - |
| <i>Euthynnus</i> spp. | - | - | - | - | - | - | - | - | 3 | - |
| <i>Sarda chiliensis</i> | - | - | - | - | - | 4 | 1 | 2 | 9 | 2 |
| <i>Scomber japonicus</i> | 59 | 73 | 97 | 119 | 93 | 39 | 71 | 81 | 65 | 45 |
| <i>Scomberomorus</i> spp. | 1 | - | - | - | - | 1 | 1 | 3 | 2 | - |

TABLE 5. (cont.)

| Name | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Thunnus albacares</i> | - | - | - | - | - | - | - | 8 | 2 | - |
| Trichiuridae | 23 | 31 | 16 | 36 | 25 | 28 | 47 | 24 | 61 | 45 |
| <i>Sphyræna argentea</i> | 14 | 16 | 5 | 6 | 3 | 14 | 15 | 15 | 27 | 28 |
| <i>Icichthys lockingtoni</i> | 125 | 139 | 114 | 125 | 105 | 95 | 70 | 79 | 74 | 86 |
| Nomeidae | - | - | - | - | - | - | 5 | 2 | 9 | 3 |
| <i>Peprilus simillimus</i> | 14 | 50 | 28 | 38 | 47 | 34 | 37 | 26 | 22 | 12 |
| <i>Tetragonurus cuvieri</i> | 29 | 17 | 8 | 10 | 65 | 146 | 124 | 59 | 26 | 29 |
| Chiasmodontidae | 24 | 33 | 16 | 31 | 24 | 14 | 57 | 59 | 75 | 34 |
| Uranoscopidae | 1 | - | - | - | - | - | 1 | 1 | 1 | 2 |
| Pleuronectiformes | 9 | 13 | 48 | 46 | 13 | 6 | 5 | 11 | 5 | 16 |
| Bothidae | - | 1 | - | - | - | - | - | - | - | - |
| <i>Bothus</i> spp. | 3 | - | 1 | 3 | 1 | 2 | 4 | 8 | 4 | 2 |
| <i>Citharichthys</i> spp. | 428 | 524 | 561 | 147 | 158 | 82 | 127 | 118 | 121 | 151 |
| <i>Citharichthys fragilis</i> | - | - | - | 152 | 107 | 93 | 125 | 101 | 106 | 137 |
| <i>Citharichthys platophrys</i> | - | - | - | - | - | - | 62 | 69 | 48 | 20 |
| <i>Citharichthys sordidus</i> | - | - | - | 109 | 56 | 59 | 62 | 136 | 134 | 101 |
| <i>Citharichthys stigmæus</i> | - | - | - | 347 | 206 | 207 | 191 | 80 | 118 | 117 |
| <i>Citharichthys xanthostigma</i> | - | - | - | 189 | 163 | 106 | 208 | 16 | 20 | 14 |
| <i>Etropus</i> spp. | - | - | - | 4 | - | - | 16 | 16 | - | - |
| <i>Hippoglossina</i> spp. | 1 | - | - | - | - | - | - | - | - | 1 |
| <i>Hippoglossina stomata</i> | 13 | 27 | 42 | 57 | 22 | 34 | 44 | 33 | 32 | 39 |
| <i>Paralichthys</i> spp. | 18 | 50 | 19 | 42 | 22 | 23 | 30 | 1 | - | 1 |
| <i>Paralichthys californicus</i> | 5 | 2 | 1 | 3 | 22 | 2 | 6 | 8 | 37 | 39 |
| <i>Syacium ovale</i> | 3 | 16 | 10 | 5 | 4 | 1 | 7 | 2 | 8 | 1 |
| <i>Xystreurus liolepis</i> | - | 1 | - | - | - | - | - | - | 5 | 8 |
| <i>Eopsetta jordani</i> | 12 | 25 | 6 | 9 | 5 | 8 | 11 | 14 | 8 | 7 |
| <i>Glyptocephalus zachirus</i> | - | - | 2 | - | - | - | 1 | 3 | - | 1 |
| <i>Hypopsetta guttulata</i> | - | - | - | - | - | - | - | 1 | - | - |
| <i>Isopsetta isolepis</i> | 51 | 80 | 68 | 116 | 57 | 74 | 90 | 50 | - | 50 |
| <i>Lyopsetta exilis</i> | 28 | 30 | 17 | 17 | 30 | 19 | 26 | 20 | 48 | 15 |
| <i>Microstomus pacificus</i> | - | 31 | 45 | 51 | 50 | 36 | 39 | 62 | 20 | 15 |
| <i>Parophrys vetulus</i> | 14 | 14 | 10 | 18 | 23 | 18 | 7 | 13 | 29 | 30 |
| <i>Pleuronichthys</i> spp. | 17 | 6 | 13 | 11 | 17 | 3 | 5 | 5 | 7 | 10 |
| <i>Pleuronichthys coenosus</i> | 4 | 4 | 4 | 2 | 4 | 2 | 3 | 4 | 4 | 5 |
| <i>Pleuronichthys decurrens</i> | 1 | 8 | 9 | - | 4 | 5 | 3 | 3 | 2 | 3 |
| <i>Pleuronichthys ritteri</i> | 3 | 44 | 24 | 31 | 26 | 33 | 40 | 7 | 7 | 2 |
| <i>Pleuronichthys verticalis</i> | - | - | - | 5 | - | 1 | 5 | 5 | 3 | 2 |
| <i>Psettichthys melanostictus</i> | 45 | 50 | 36 | 35 | 11 | 49 | 80 | 40 | 75 | 64 |
| <i>Symphurus</i> spp. | 1 | - | - | - | - | - | - | 1 | - | - |
| Balistidae | 2 | - | - | - | 1 | - | - | - | - | - |
| Tetraodontidae | 229 | 253 | 74 | 63 | 124 | 103 | 193 | 258 | 361 | 482 |
| Disintegrated fish larva | 187 | 218 | 284 | 161 | 99 | 100 | 129 | 181 | 272 | 343 |
| Unidentified fish larva | - | - | - | - | - | - | - | - | - | - |

TABLE 6. List of stations which were occupied twice in one month during 1957.

| Station | | Month |
|---------|------|-------|
| 153.0 | 16.0 | 2 |
| 110.0 | 33.0 | 8 |
| 110.0 | 35.0 | 8 |
| 110.0 | 40.0 | 8 |
| 93.0 | 50.0 | 11 |
| 93.0 | 60.0 | 11 |
| 97.0 | 30.0 | 11 |
| 97.0 | 32.0 | 11 |
| 97.0 | 40.0 | 11 |
| 97.0 | 50.0 | 11 |
| 97.0 | 60.0 | 11 |

INDEX

This index lists taxa included in Table 4 with their page numbers.

| | Page |
|--|------|
| Elopiformes | |
| Albulidae | |
| <i>Albula vulpes</i> | 77 |
| Anguilliformes | 77 |
| Clupeiformes | |
| Clupeidae | |
| <i>Etrumeus acuminatus</i> | 77 |
| <i>Opisthonema</i> spp. | 78 |
| <i>Sardinops sagax</i> | 78 |
| Engraulidae | |
| <i>Engraulis mordax</i> | 80 |
| Salmoniformes | |
| Argentinidae | |
| <i>Argentina sialis</i> | 84 |
| <i>Microstoma microstoma</i> | 85 |
| <i>Nansenia candida</i> | 86 |
| <i>Nansenia crassa</i> | 86 |
| Bathylagidae | |
| <i>Bathylagus</i> spp. | 87 |
| <i>Bathylagus ochotensis</i> | 87 |
| <i>Bathylagus pacificus</i> | 89 |
| <i>Bathylagus wesethi</i> | 89 |
| <i>Leuroglossus stilbius</i> | 92 |
| Stomiiformes | 96 |
| Gonostomatidae | |
| <i>Cyclothone</i> spp. | 96 |
| <i>Diplophos taenia</i> | 99 |
| <i>Ichthyococcus</i> spp. | 99 |
| <i>Vinciguerrria lucetia</i> | 99 |
| Sternoptychidae | 104 |
| Stomiatoidea | |
| Chauliodontidae | |
| <i>Chauliodus macouni</i> | 105 |
| Idiacanthidae | |
| <i>Idiacanthus antrostomus</i> | 106 |
| Malacosteidae | |
| <i>Aristostomias scintillans</i> | 107 |
| Melanostomiidae | |
| <i>Bathophilus</i> spp. | 107 |
| <i>Tactostoma macropus</i> | 107 |
| Stomiidae | |
| <i>Stomias atriventer</i> | 107 |
| Myctophiformes | |
| Alepisauroides | |
| Anotopteridae | |
| <i>Anotopterus pharao</i> | 109 |

| | Page |
|---|------|
| Paralepididae | 109 |
| Aulopoidei | |
| Aulopidae | |
| <i>Aulopus</i> spp. | 110 |
| Chlorophthalmoidei | |
| Scopelarchidae | 111 |
| Myctophoidei | |
| Myctophidae | 111 |
| Lampanyctinae | |
| <i>Ceratoscopelus townsendi</i> | 114 |
| <i>Diaphus</i> spp. | 116 |
| <i>Lampadena urophaos</i> | 118 |
| <i>Lampanyctus</i> spp. | 119 |
| <i>Lampanyctus regalis</i> | 121 |
| <i>Lampanyctus ritteri</i> | 121 |
| <i>Notoscopelus resplendens</i> | 125 |
| <i>Stenobranchius leucopsarus</i> | 125 |
| <i>Triphoturus mexicanus</i> | 128 |
| Myctophinae | |
| <i>Diogenichthys</i> spp. | 133 |
| <i>Diogenichthys atlanticus</i> | 133 |
| <i>Diogenichthys laternatus</i> | 135 |
| <i>Gonichthys tenuiculus</i> | 139 |
| <i>Hygophum</i> spp. | 140 |
| <i>Hygophum atratum</i> | 140 |
| <i>Hygophum reinhardtii</i> | 142 |
| <i>Loweina rara</i> | 142 |
| <i>Myctophum aurolaternatum</i> | 142 |
| <i>Myctophum nitidulum</i> | 143 |
| <i>Protomyctophum crockeri</i> | 143 |
| <i>Symbolophorus californiensis</i> | 146 |
| <i>Tarletonbeania crenularis</i> | 148 |
| Synodontoidi | |
| Synodontidae | |
| <i>Synodus</i> spp. | 150 |
| Gadiformes | |
| Bregmacerotidae | |
| <i>Bregmaceros</i> spp. | 151 |
| Merlucciidae | |
| <i>Merluccius productus</i> | 151 |
| Moridae | 155 |
| <i>Physiculus</i> spp. | 155 |
| Macrouridae | 155 |
| Ophidiiformes | 155 |
| Bythitidae | |
| <i>Brosomphysis marginata</i> | 156 |
| Ophidiidae | |
| <i>Chilara taylori</i> | 157 |
| <i>Ophidion scrippsae</i> | 157 |
| Lophiiformes | |
| Antennarioidei | |
| Antennariidae | 158 |

| | Page |
|---|------|
| Ceratioidei | 158 |
| Gobiesociformes | |
| Gobiesocidae | 158 |
| Beloniformes | |
| Exocoetidae | 159 |
| Hemiramphidae | 159 |
| Scomberesocidae | |
| <i>Cololabis saira</i> | 159 |
| Atheriniformes | |
| Atherinidae | 159 |
| Lampriformes | |
| Trachipteridae | 159 |
| Beryciformes | |
| Melamphaidae | |
| <i>Melamphaes</i> spp. | 160 |
| <i>Poromitra</i> spp. | 163 |
| <i>Scopelogadus bispinosus</i> | 163 |
| Syngnathiformes | |
| Macroramphosidae | |
| <i>Macroramphosus gracilis</i> | 164 |
| Syngnathidae | |
| <i>Syngnathus</i> spp. | 164 |
| Scorpaeniformes | |
| Cottoidei | |
| Agonidae | 165 |
| Cottidae | 165 |
| <i>Scorpaenichthys marmoratus</i> | 165 |
| Cyclopteridae | 166 |
| Hexagrammidae | 166 |
| <i>Ophiodon elongatus</i> | 166 |
| <i>Oxylebius pictus</i> | 166 |
| <i>Zaniolepis</i> spp. | 166 |
| Scorpaenoidei | |
| Scorpaenidae | 166 |
| <i>Scorpaena</i> spp. | 166 |
| <i>Sebastes</i> spp. | 167 |
| <i>Sebastolobus</i> spp. | 171 |
| Triglidae | |
| <i>Prionotus</i> spp. | 171 |
| Perciformes | |
| Blennioidei | 172 |
| Blenniidae | |
| <i>Hypsoblennius</i> spp. | 172 |
| Clinidae | 173 |
| Gobioidei | |
| Gobiidae | 173 |
| Labroidei | |
| Labridae | 174 |
| Pomacentridae | 176 |
| <i>Chromis punctipinnis</i> | 176 |
| Mugiloidei | |
| Mugilidae | |

| | Page |
|--|------|
| <i>Mugil</i> spp. | 177 |
| Percoidei | |
| Bramidae | |
| <i>Brama</i> spp. | 177 |
| Carangidae | 177 |
| <i>Seriola lalandi</i> | 178 |
| <i>Trachurus symmetricus</i> | 179 |
| Coryphaenidae | |
| <i>Coryphaena hippurus</i> | 182 |
| Gerreidae | 182 |
| Haemulidae | 183 |
| Kyphosidae | |
| <i>Girella nigricans</i> | 183 |
| <i>Medialuna californiensis</i> | 183 |
| Malacanthidae | |
| <i>Caulolatilus princeps</i> | 184 |
| Sciaenidae | 184 |
| Serranidae | 185 |
| Scombroidei | |
| Scombridae | 185 |
| <i>Auxis</i> spp. | 186 |
| <i>Sarda chiliensis</i> | 186 |
| <i>Scomber japonicus</i> | 186 |
| <i>Scomberomorus</i> spp. | 187 |
| Trichiuridae | 188 |
| Sphyraenoidei | |
| Sphyraenidae | |
| <i>Sphyraena argentea</i> | 188 |
| Stromateoidei | |
| Centrolophidae | |
| <i>Icichthys lockingtoni</i> | 189 |
| Nomeidae | 190 |
| Stromateidae | |
| <i>Peprilus simillimus</i> | 190 |
| Tetragonuridae | |
| <i>Tetragonurus cuvieri</i> | 191 |
| Trachinoidei | |
| Chiasmodontidae | 193 |
| Uranoscopidae | 194 |
| Pleuronectiformes | 194 |
| Pleuronectoidei | |
| Bothidae | |
| <i>Bothus</i> spp. | 194 |
| Paralichthyidae | |
| <i>Citharichthys</i> spp. | 194 |
| <i>Citharichthys fragilis</i> | 196 |
| <i>Citharichthys sordidus</i> | 197 |
| <i>Citharichthys stigmaeus</i> | 198 |
| <i>Citharichthys xanthostigma</i> | 201 |
| <i>Etropus</i> spp. | 202 |
| <i>Hippoglossina stomata</i> | 203 |

| | Page |
|---|------|
| <i>Paralichthys californicus</i> | 204 |
| <i>Syacium ovale</i> | 204 |
| <i>Xystreurus liolepis</i> | 204 |
| Pleuronectidae | |
| <i>Glyptocephalus zachirus</i> | 205 |
| <i>Hypsopsetta guttulata</i> | 205 |
| <i>Lyopsetta exilis</i> | 205 |
| <i>Microstomus pacificus</i> | 206 |
| <i>Parophrys vetulus</i> | 207 |
| <i>Pleuronichthys</i> spp. | 208 |
| <i>Pleuronichthys coenosus</i> | 208 |
| <i>Pleuronichthys decurrens</i> | 208 |
| <i>Pleuronichthys ritteri</i> | 208 |
| <i>Pleuronichthys verticalis</i> | 209 |
| <i>Psettichthys melanostictus</i> | 209 |
| Soleoidei | |
| Cynoglossidae | |
| <i>Symphurus</i> spp. | 209 |
| Disintegrated fish larva | 210 |
| Unidentified fish larva | 213 |

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